



Telecom Regulatory Authority of India

The Indian Telecom Services Performance Indicators January - March, 2014

New Delhi, India
30th July, 2014

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Snapshot

(Data As on 31st March, 2014)

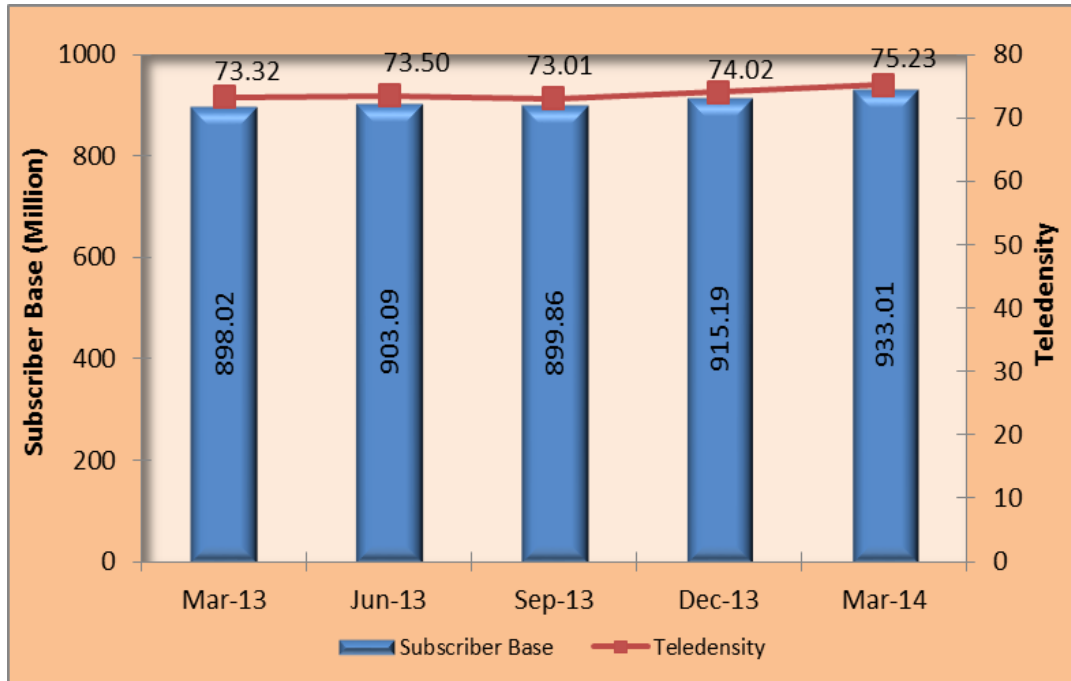
Telecom Subscribers (Wireless + Wireline)	
Total Subscribers	933.01 Million
% change over the previous quarter	1.95%
Urban Subscribers	555.28 Million
Rural Subscribers	377.73 Million
Market share of Private Operators	87.13%
Market share of PSU Operators	12.87%
Teledensity	75.23
Urban Teledensity	145.78
Rural Teledensity	43.96
Wireless Subscribers	
Total Wireless Subscribers	904.51 Million
% change over the previous quarter	2.05%
Urban Subscribers	532.73 Million
Rural Subscribers	371.78 Million
GSM Subscribers	847.41 Million
CDMA Subscribers	57.10 Million
Market share of Private Operators	89.16%
Market share of PSU Operators	10.84%
Teledensity	72.94
Urban Teledensity	139.86
Rural Teledensity	43.27
Wireline Subscribers	
Total Wireline Subscribers	28.50 Million
% change over the previous quarter	-1.37%
Urban Subscribers	22.54 Million
Rural Subscribers	5.96 Million
Market share of Private Operators	22.70%
Market share of PSU Operators	77.30%
Teledensity	2.30
Urban Teledensity	5.92
Rural Teledensity	0.69
No. of Village Public Telephones (VPT)	588,912
No. of Public Call Office (PCO)	956,988

Internet / Broadband Subscribers	
Total Internet Subscribers	251.59 Million
Narrowband subscribers	190.72 Million
Broadband subscribers	60.87 million
Wired Internet Subscribers	18.50 Million
Wireless Internet Subscribers	233.09 Million
Broadcasting & Cable Services	
No. of private satellite TV channels registered with Ministry of I&B	793
Number of private FM Radio Stations	242
Registered DTH Subscribers	64.82 Million
Active DTH Subscribers	37.19 Million
Telecom Financial Data (QE Mar-14)	
Gross Revenue(GR) during the quarter	₹ 60716 Crore
% change in GR over the previous quarter	3.99%
Adjusted Gross Revenue (AGR) during the quarter	₹41016 Crore
% change in AGR over the previous quarter	3.64%
Share of Public sector undertaking's in Access AGR	12.72%
Monthly Average Revenue Per User (ARPU) for Access Services	₹115
Revenue & Usage Parameters (QE Mar-14)	
Monthly ARPU GSM Full Mobility Service	₹ 113
Monthly ARPU CDMA Full Mobility Service	₹ 105
Minutes of Usage (MOU) per subscriber per month GSM Full Mobility Service	389 Minutes
Minutes of Usage (MOU) per subscriber per month CDMA Full Mobility Service	275 Minutes
Total Outgoing Minutes of Usage for Internet Telephony	251 Million
Data Usage of Mobile Users (for the QE Mar-14)	
Data Usage per subscriber per month - GSM	53.94 MB
Data Usage per subscriber per month - CDMA	176.24 MB
Data Usage per subscriber per month – Total(GSM+CDMA)	61.66 MB

Executive Summary

1. The number of telephone subscribers in India increased from 915.19 million at the end of Dec-13 to 933.01 million at the end of Mar-14, registering a growth of 1.95% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 3.90% over the same quarter of last year. The overall Tele-density in India increased from 74.02 as on 31st December, 2013 to 75.23 as on 31st March, 2014.

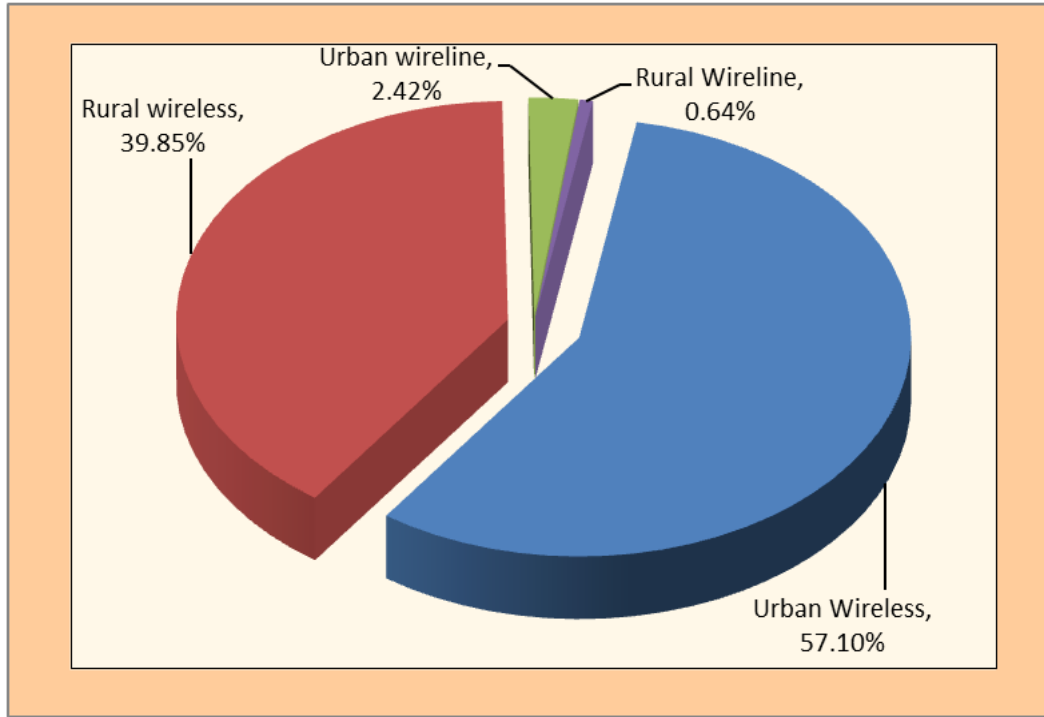
Trends in Telephone subscribers and Teledensity in India



2. Subscription in Urban Areas increased from 549.40 million at the end of Dec-13 to 555.28 million at the end of Mar-14, and Urban Tele-density also increased from 144.95 to 145.78. Rural subscription increased from 365.79 million to 377.73 million, and Rural Tele-density also increased from 42.67 to 43.96.

3. Share of subscription in Rural areas out of total subscription increased from 39.97% at the end of Dec-13 to 40.49% at the end of Mar-14.

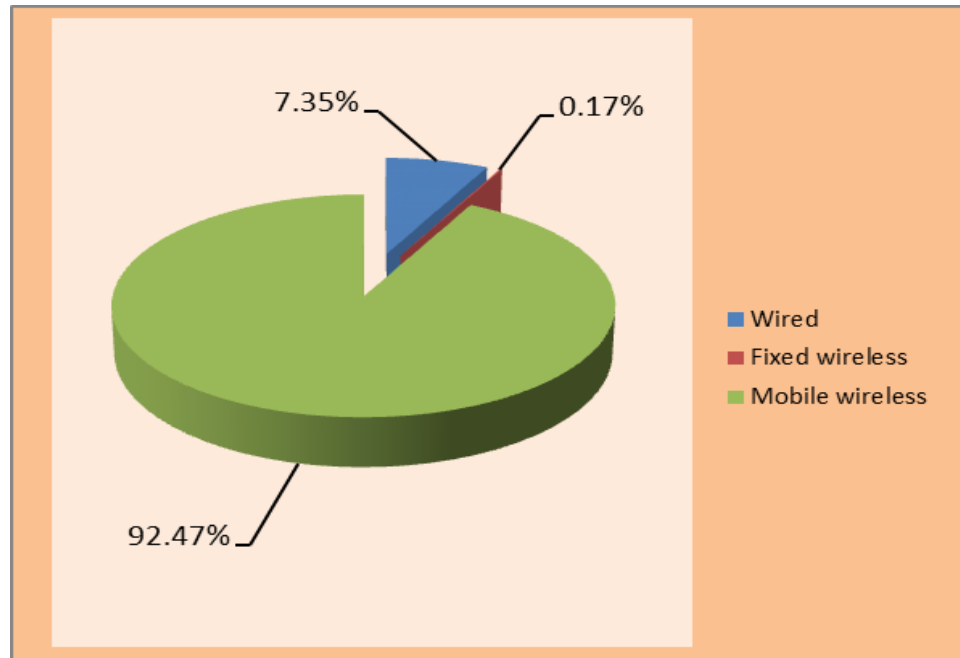
Composition of Telephone Subscribers



4. With a net addition of 18.21 million subscribers during the quarter, total wireless(GSM+CDMA) subscriber base increased from 886.30 million at the end of Dec-13 to 904.51 million at the end of Mar-14, registering a growth rate of 2.05% over the previous quarter. The year-on-year (Y-O-Y) growth rate of Wireless subscribers for Mar-14 is 4.23%.
5. Wireless Tele-density increased from 71.69 at the end of Dec-13 to 72.94 at the end of Mar-14.

6. Wireline subscriber base further declined from 28.89 million at the end of Dec-13 to 28.50 million at the end of Mar-14, registering a decline of 1.37%. The year-on-year (Y-O-Y) decline rate of Wireline subscribers for Mar-14 is 5.68%.
7. Wireline Tele-density declined from 2.34 at the end of Dec-13 to 2.30 at the end of Mar-14.
8. Total number of Internet subscribers has increased from 238.71 million at the end of Dec-13 to 251.59 million at the end of Mar-14, there has been a quarterly growth of 5.40%. Out of which Wired Internet subscribers are 18.50 million and Wireless Internet subscribers are 233.09 million.

Composition of internet subscription

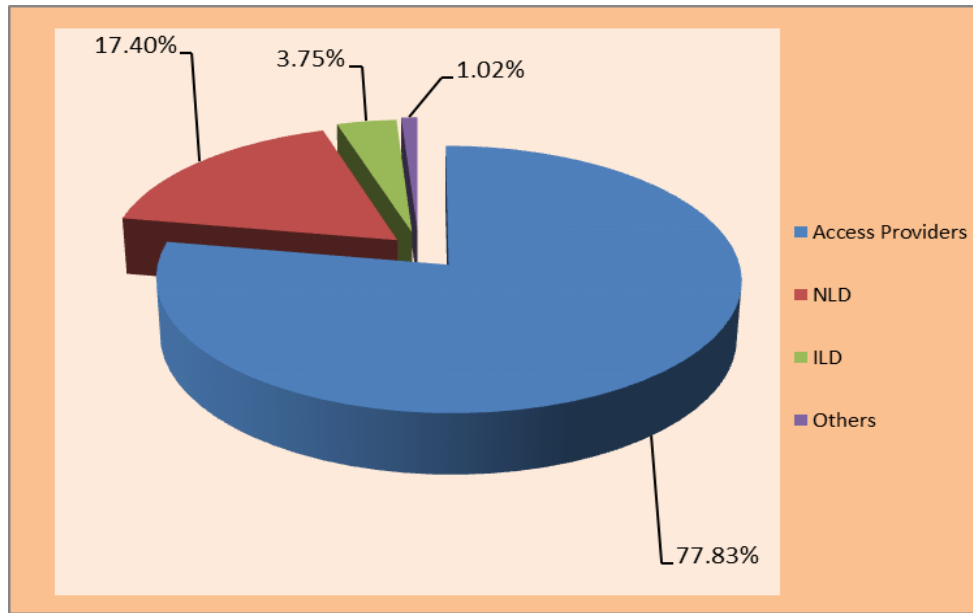


9. Number of Broadband Internet subscribers increased from 55.20 million at the end of Dec-13 to 60.87 million at the end of Mar-14 with quarter growth of 10.28%.

10. The number of Narrowband Internet subscribers increased from 183.51 million at the end of Dec-13 to 190.72 million at the end of Mar-14 with quarterly growth of 3.93%.
11. Monthly Average Revenue Per User (ARPU) for GSM service increased by 1.34%, from ₹112 in QE Dec-13 to ₹113 in QE Mar-14, whereas Y-O-Y increase of 8.04%.
12. Prepaid ARPU for GSM service per month increased from ₹98 in QE Dec-13 to ₹99 in QE Mar-14, while Postpaid ARPU per month decreased from ₹456 in QE Dec-13 to ₹453 in QE Mar-14.
13. On an all India average, the overall MOU per subscriber per month for GSM service increased by 2.45% from 379 in QE Dec-13 to 389 in QE Mar-14.
14. Prepaid MOU per subscriber for GSM service increased from 355 in QE Dec-13 to 365 in QE Mar-14 while postpaid MOUs decreased from 964 in QE Dec-13 to 957 in QE Mar-14.
15. Monthly ARPU for CDMA full mobility service increased by 1.33%, from ₹103.60 in QE Dec-13 to ₹104.98 in QE Mar-14. ARPU for CDMA has increased by 10.22% on Y-O-Y basis in this quarter.
16. The total MOU for CDMA per subscriber per month increased by 1.42%, from 272 in QE Dec-13 to 275 QE Mar-14. The outgoing MOUs increased from 141 in QE Dec-13 to 142 in QE Mar-14 and incoming MOUs also increased from 130 in QE Dec-13 to 133 in QE Mar-14.

17. Gross Revenue (GR) and Adjusted Gross Revenue (AGR) of Telecom Service Sector for the QE Mar-14 has been ₹60716 Crore and ₹41016 Crore respectively. There has been an increase of 3.99% in GR and 3.64% in AGR as compared to previous quarter.
18. The year-on-year (Y-O-Y) growth in GR and AGR over the same quarter in last year has been 11.85% and 16.26% respectively.
19. Pass-through charges accounted 32.45% of the GR for the quarter ending Mar-14. The quarterly and the year-on-year (Y-O-Y) growth rates of pass-through charges for QE Mar-14 are 4.73% and 3.66% respectively.
20. The License Fee has been 3286 Crore for the QE Mar-14. The quarterly and the year-on-year (Y-O-Y) growth rates of license fee are 3.72% and 14.86% respectively in this quarter.
21. Access services contributed 77.83% of the total Adjusted Gross Revenue of telecom services. In Access services, Gross Revenue, Adjusted Gross Revenue (AGR), License Fee and Pass Through Charges increased by 3.26%, 1.64%, 1.72% and 7.35% respectively, whereas Spectrum Usage Charges decreased by 0.10% in QE Mar-14.
22. Monthly Average Revenue per User (ARPU) for Access Services based on AGR decreased from ₹116 in QE Dec-13 to ₹115 in QE Mar-14.

Composition of Adjusted Gross Revenue



23. The performance of 2G wireless service providers in terms of QoS during the quarter vis-à-vis that in previous quarter is depicted as under:

Parameters showing Improvement in QoS	Parameters showing deterioration in QoS
<ul style="list-style-type: none"> • Resolution of billing/ charging/validity complaints. • Period of applying credit/ waiver/adjustment to customer's account from the date of resolution of complaints • Accessibility of call centre/ customer care 	<ul style="list-style-type: none"> • BTSs Accumulated downtime (not available for service) • Call Set-up Success Rate (within licensee's own network) • TCH Congestion • Call Drop Rate • Worst affected cells having more than 3% TCH drop (call drop) rate • Connection with good voice quality • Metering and billing credibility - post paid • Metering and billing credibility - pre paid • %age of calls answered by the operators (voice to voice) within 60 sec • %age requests for Termination/ Closure of service complied within 7 days. • Time taken for refund of deposits after closures.

24. The performance of 3G wireless service providers in terms of QoS during the quarter vis-à-vis that in previous quarter is depicted as under:

Parameters showing Improvement in QoS	Parameters showing deterioration in QoS
<ul style="list-style-type: none"> • SDCCH/ Paging Channel and RRC Congestion (%age) • TCH and Circuit Switched RAB Congestion (%age) • Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate - CBBH. • Connection with good voice quality and Circuit Switch Voice Quality (CSV Quality) 	<ul style="list-style-type: none"> • Node-B's Accumulated downtime (not available for service) (%age). • Worst affected Node-B's due to downtime (%age).

25. The performance of wireline service providers in terms of QoS during the quarter vis-à-vis that in previous quarter is depicted as under:

Parameters showing Improvement in QoS	Parameters showing deterioration in QoS
<ul style="list-style-type: none"> • % Fault repaired by next working day • % of faults repaired within 3 days (for urban area) • % of faults repaired within 5 days (for rural & hilly areas) • % of calls answered by the operator (voice to voice) within 60 sec. 	<ul style="list-style-type: none"> • Faults incidences (No. of faults/ 100 Subs./month) • Point of Interconnection(POI) Congestion (No. of POIs not meeting benchmark) • Metering & Billing Credibility – Postpaid (<= 0.1%) • %age requests for Termination/Closure of service complied within 7 days

26. Total number of private satellite TV channels permitted by the Ministry of I&B, as obtained from its website, are 793 at the QE Mar-14. There are a total of 187 pay channels, as reported by the broadcasters for which the rates have been taken on records.
27. Maximum number of TV channels being carried by any of the reported MSO is 387, whereas in conventional analogue form, the maximum number of channels being carried by any of the reported MSO is 100 channels.
28. Apart from All India Radio, Prasar Bharti – a public broadcaster, there are 242 private FM Radio stations in operation at the quarter ending March, 2014. The status of operationalized private FM Radio stations is as per the website of Ministry of Information and Broadcasting.
29. Apart from free DTH service of Doordarshan of Prasar Bharti – a public broadcaster, there are 6 private DTH Operators and all these 6 Operators are offering pay DTH services to the subscribers. Total number of registered subscribers and active subscribers being served by these six private DTH operators, as reported to TRAI, are 64.82 million & 37.19 million respectively at the quarter ending 31.03.2014.

Trends at a Glance

A. Wireline & Wireless Services

	QE Mar 2013	QE Jun 2013	QE Sep 2013	QE Dec 2013	QE Mar 2014	%age change over Mar- 2013 (12 months)	%age change over Jun- 2013 (9 months)	%age change over Sep- 2013 (6 months)	%age change over Dec- 2013 (3 months)
	1) Subscriber's Base (in million)								
i) Wireline	30.21	29.73	29.28	28.89	28.49	-5.72%	-4.18%	-2.72%	-1.41%
ii) Wireless	867.80	873.36	870.58	886.30	904.51	4.23%	3.57%	3.90%	2.05%
Total	898.02	903.09	899.86	915.19	933.00	3.90%	3.31%	3.68%	1.95%
Rural	349.22	357.61	356.68	365.79	377.73	8.17%	5.63%	5.90%	3.26%
Urban	548.80	545.48	543.18	549.40	555.26	1.18%	1.79%	2.22%	1.07%
2) Traffic (MOU) (minutes of use/ sub/month)									
Wireless - full mobility									
i) GSM	383	388	375	379	389	1.56%	0.23%	3.58%	2.45%
ii) CDMA	275	278	262	272	275	0.20%	-1.03%	5.00%	1.42%
3) ARPU (Rs./sub/ month)									
Wireless - full mobility									
i) GSM	105.00	111.45	109.08	111.94	113.44	8.04%	1.79%	4.00%	1.34%
ii) CDMA	95.25	98.35	98.22	103.60	104.98	10.22%	6.75%	6.89%	1.33%
4) Teledensity									
Population in million (Estimated)	1224.86	1228.68	1232.51	1236.34	1240.15				
i) Wireline teledensity	2.47	2.42	2.38	2.34	2.30	-6.88%	-5.06%	-3.32%	-1.72%
ii) Wireless teledensity	70.85	71.08	70.63	71.69	72.94	2.94%	2.61%	3.26%	1.74%
Total Teledensity	73.32	73.50	73.01	74.02	75.23	2.61%	2.36%	3.04%	1.63%
Rural teledensity	41.02	41.90	41.70	42.67	43.96	7.18%	4.91%	5.42%	3.03%
Urban teledensity	146.96	145.35	144.02	144.95	145.78	-0.81%	0.29%	1.22%	0.57%

B. Subscriber Base

(i) Wireline Subscribers Base (in Million)									
Service Provider	QE Mar 2013	QE Jun 2013	QE Sep 2013	QE Dec 2013	QE Mar 2014	%age change over Mar-2013	%age change over Jun-2013	%age change over Sep-2013	%age change over Dec-2013
						(12 months)	(9 months)	(6 months)	(3 months)
BSNL	20.45	19.89	19.37	18.94	18.49	-9.58%	-7.05%	-4.54%	-2.36%
MTNL	3.46	3.55	3.54	3.54	3.53	1.99%	-0.60%	-0.40%	-0.32%
Bharti	3.28	3.28	3.34	3.35	3.36	2.23%	2.26%	0.55%	0.04%
Tata	1.51	1.47	1.49	1.51	1.55	2.90%	5.36%	3.94%	2.76%
Reliance	1.24	1.24	1.24	1.24	1.24	-0.23%	-0.25%	-0.13%	-0.11%
Quadrant	0.19	0.20	0.20	0.21	0.21	13.27%	8.50%	5.01%	2.02%
Sistema	0.05	0.05	0.05	0.06	0.06	5.22%	2.96%	1.59%	-1.14%
Vodafone	0.04	0.04	0.04	0.05	0.06	54.52%	31.79%	25.17%	10.02%
Total	30.21	29.73	29.28	28.89	28.49	-5.72%	-4.18%	-2.72%	-1.41%
(ii) Wireless Subscriber Base (in Million)									
Service Provider	QE Mar 2013	QE Jun 2013	QE Sep 2013	QE Dec 2013	QE Mar 2014	%age change over Mar-2013	%age change over Jun-2013	%age change over Sep-2013	%age change over Dec-2013
						(12 months)	(9 months)	(6 months)	(3 months)
Bharti	188.20	190.91	193.39	198.41	205.39	9.14%	7.58%	6.21%	3.52%
Vodafone	152.35	155.03	155.54	160.41	166.56	9.33%	7.44%	7.08%	3.84%
Idea	121.61	124.97	127.23	128.69	135.79	11.66%	8.66%	6.73%	5.52%
Reliance	122.97	125.73	116.26	117.24	110.89	-9.82%	-11.80%	-4.62%	-5.42%
BSNL	101.21	97.99	97.86	96.29	94.65	-6.48%	-3.41%	-3.28%	-1.71%
Aircel	60.07	60.97	63.25	66.91	70.15	16.78%	15.06%	10.92%	4.84%
Tata	66.42	64.63	63.55	63.27	63.00	-5.14%	-2.52%	-0.86%	-0.42%
Telewings	31.68	32.30	32.36	32.78	35.61	12.38%	10.25%	10.05%	8.62%
Sistema	11.91	9.77	9.56	9.81	9.04	-24.14%	-7.50%	-5.44%	-7.85%
Videocon	2.01	2.42	3.24	3.97	4.99	148.19%	106.26%	53.71%	25.64%
MTNL	5.00	4.51	3.74	3.59	3.37	-32.54%	-25.24%	-9.86%	-6.10%
Loop	3.01	2.72	2.89	2.98	2.90	-3.73%	6.62%	0.33%	-2.79%
Quadrant	1.37	1.42	1.73	1.96	2.18	59.44%	53.62%	26.22%	11.38%
Total	867.80	873.36	870.58	886.30	904.51	4.23%	3.57%	3.90%	2.05%

C. Internet Services

	QE Mar 2013	QE Jun 2013	QE Sep 2013	QE Dec 2013	QE Mar 2014	%age change over Mar-2013 (12 months)	%age change over Jun-2013 (9 months)	%age change over Sep-2013 (6 months)	%age change over Dec-2013 (3 months)
1) Subscriber's Base (in million)									
A. Wired Internet Subscribers				18.33	18.50				0.90%
B. Wireless Internet Subscribers				220.38	233.09				5.77%
i. Mobile Wireless (Mobile & Dongle)				219.92	232.66				5.79%
ii. Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)				0.46	0.44				-4.69%
Total Internet Subscribers	164.81	198.39	210.38	238.71	251.59	52.65%	26.82%	19.59%	5.40%

D. Telecom Financial Data

	QE Mar 2013	QE Jun 2013	QE Sep 2013	QE Dec 2013	QE Mar 2014	%age change over Mar-2013 (12 months)	%age change over Jun-2013 (9 months)	%age change over Sep-2013 (6 months)	%age change over Dec-2013 (3 months)
Telecom Sector									
i) Gross Revenue (Rs. in Crores)	54283.78	57260.98	57452.56	58385.39	60716.21	11.85%	6.03%	5.68%	3.99%
ii) Adjusted Gross Revenue (Rs. in Crores)	35279.50	38640.30	38810.56	39574.99	41016.13	16.26%	6.15%	5.68%	3.64%
Access Services									
Adjusted Gross Revenue (Rs. in Crores)	27801.94	30492.88	30353.17	31406.54	31922.39	14.82%	4.69%	5.17%	1.64%
ARPU per month (AGR/Average subscribers/3)	103.66	113.04	111.85	115.70	115.28	11.20%	1.98%	3.06%	-0.36%

Introduction

This Report presents the Key Parameters and growth trends for the Telecom Services in India for the quarter ending March, 2014. It provides a broad perspective on the Telecom Services to serve as a reference document for various stakeholders, research agencies and analysts. Chapter-1 depicts the growth pattern, in terms of Subscriber base and Tele-density of Wireline, Wireless, Internet and Value Added Services (VAS). Chapter-2 covers the key revenue and usage parameters. Chapter-3 gives the financial and accounting data. Chapter-4 covers performance of various service providers in terms of QoS. The information relating to Cable TV, DTH & Radio Broadcast services is provided in Chapter-5.

2. The Report has been prepared based on the information furnished by the Service Providers. It is also available on TRAI's website (www.trai.gov.in). Any suggestion pertaining to this report may please be addressed to Advisor(F&EA), TRAI on Tel. +91-11-23230752, Fax. +91-11-23236650 and e-mail: manishsinha@trai.gov.in.

Chapter 1 :

Subscription Data

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- Teledensity is based on the population projections from census data published by the Office of Registrar General & Census Commissioner of India.

Section A : Access Service - An Overview

- 1.1 The number of telephone subscribers in India increased from 815.19 million at the end of Dec-13 to 933.01 million at the end of Mar-14, registering a growth of 1.95% over the previous quarter. This reflects year-on-year (Y-O-Y) growth of 3.90% over the same quarter of last year. The overall Tele-density in India increased to 75.23 at the end of Mar-14 from 74.02 at the end of the previous quarter.

Chart 1.1: Trends in Telephone Subscribers and Tele-density in India

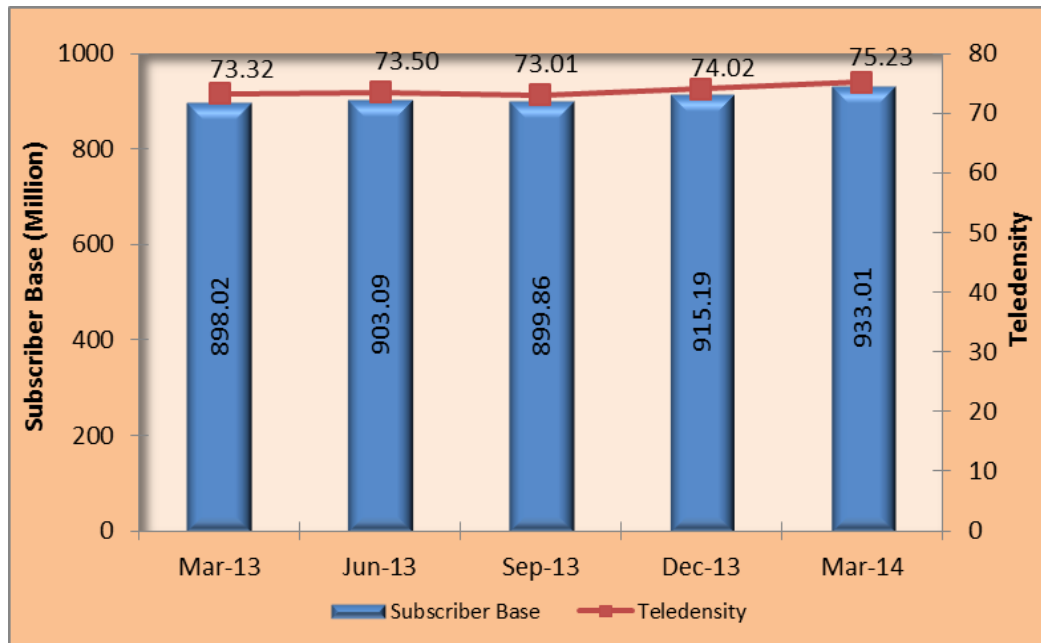
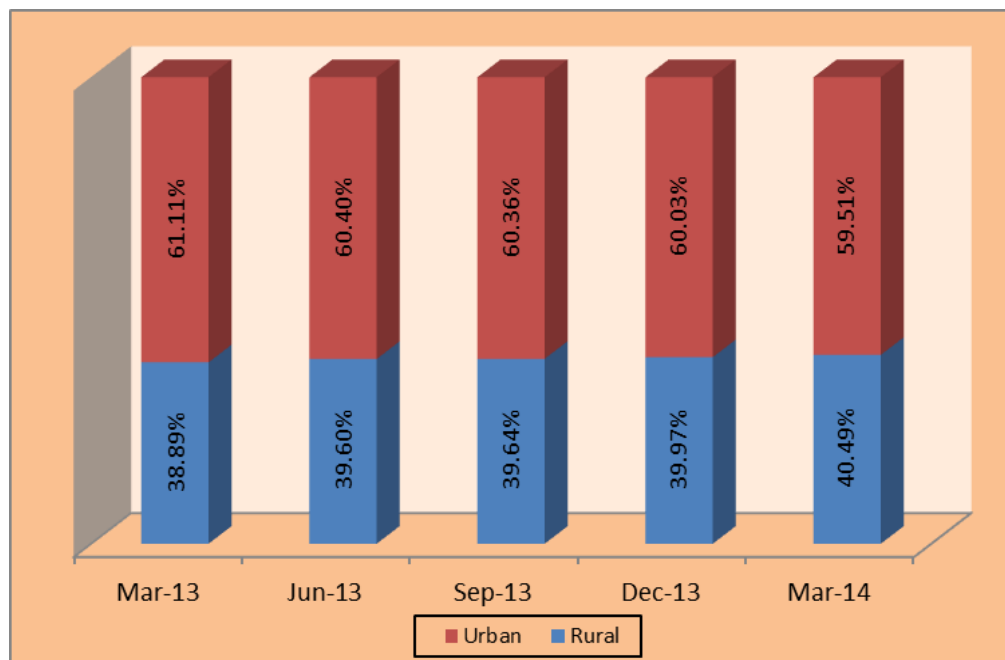


Table 1.1: Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density	
	Rural	Urban	Rural	Urban
Mar-13	349.22	548.80	41.02	146.96
Jun-13	357.61	545.48	41.90	145.35
Sep-13	356.68	543.18	41.70	144.02
Dec-13	365.79	549.40	42.67	144.95
Mar-14	377.73	555.28	43.96	145.78

- 1.2 Subscription in Urban Areas increased from 549.40 million at the end of Dec-13 to 555.28 million at the end of Mar-14 and the Urban Tele-density also increased from 144.95 to 145.78 during the quarter. Rural subscription increased from 365.79 million to 377.73 million and the Rural Tele-density also increased from 42.67 to 43.96 during the quarter.
- 1.3 The year-on-year (Y-O-Y) growth rate of Rural and Urban Tele-density from Mar-13 to Mar-14 is 7.18% and -0.81% respectively.

Chart 1.2: Market Share - Rural & Urban



- 1.4 Share of rural areas in total subscription has increased from 39.97% at the end of Dec-13 to 40.49% at the end of Mar-14. The year-on-year (Y-O-Y) growth of the market share in the rural areas for Mar-14 is 4.11%.

Chart 1.3: Composition of Access subscription - Wireline & Wireless

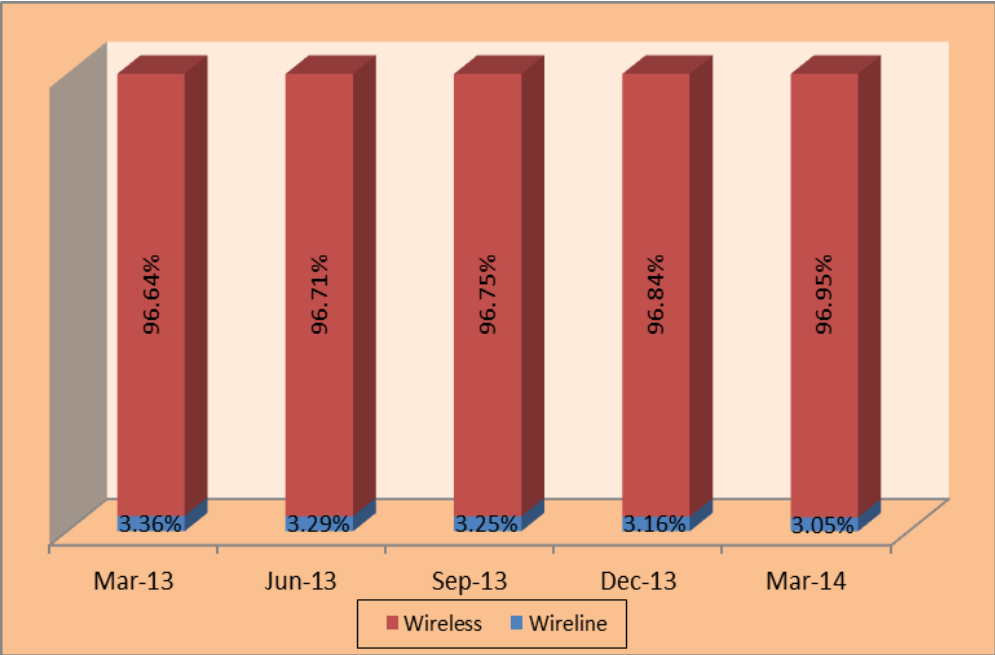


Chart 1.4: Composition of Telephone Subscribers at the end of the quarter

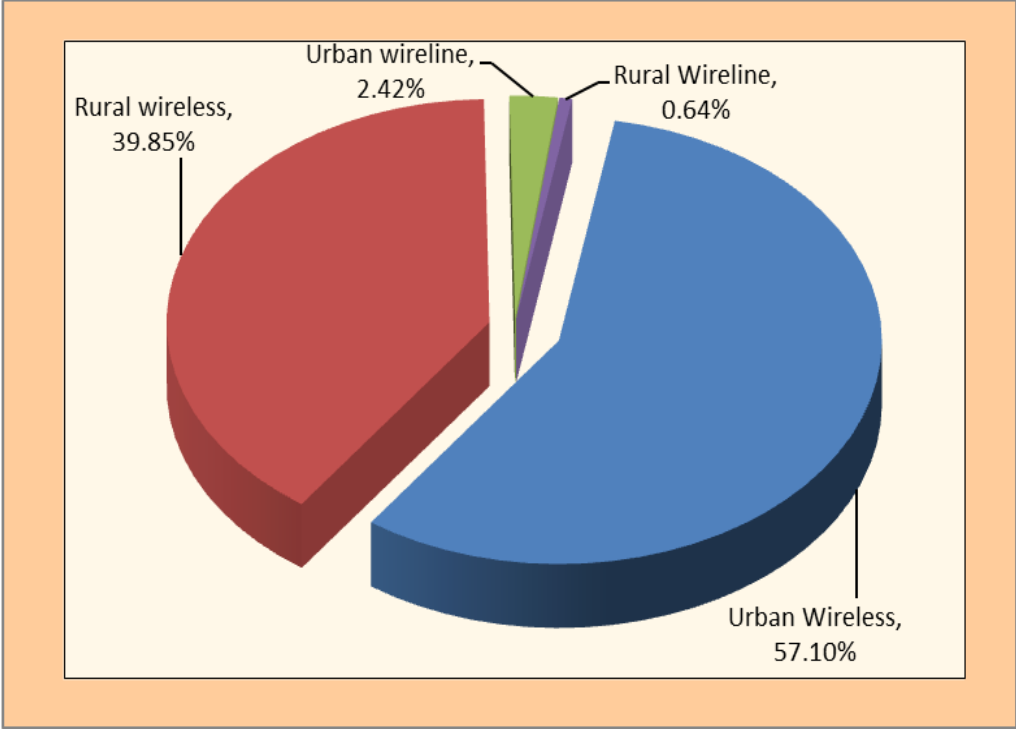


Table 1.2: Service Area wise Access (Wireless+Wireline) Subscriber base

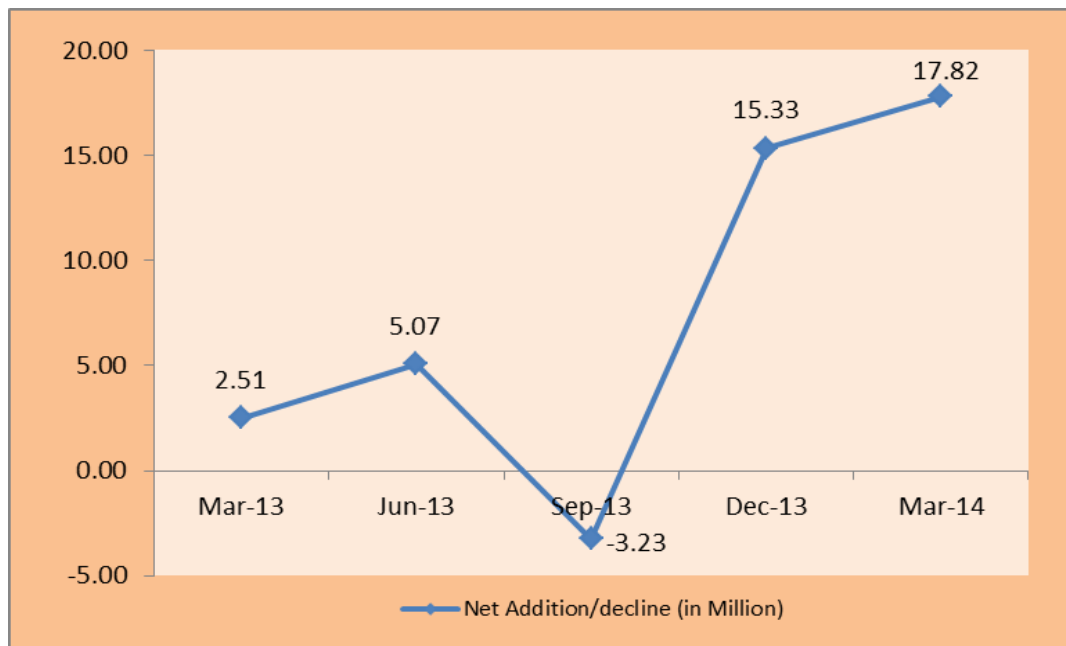
Service Area	Subscribers (million)			
	Dec-13	Mar-14	Net Additions	Rate of Growth(%)
Andhra Pradesh	67.72	69.19	1.48	2.18
Assam	15.23	15.46	0.23	1.53
Bihar	59.55	61.97	2.42	4.06
Delhi	45.25	45.69	0.44	0.96
Gujarat	55.05	56.23	1.18	2.14
Haryana	21.01	21.75	0.74	3.53
Himachal Pradesh	7.39	7.37	-0.02	-0.21
Jammu & Kashmir	7.78	8.13	0.34	4.39
Karnataka	56.69	56.64	-0.05	-0.09
Kerala	34.26	34.01	-0.25	-0.73
Madhya Pradesh	55.86	56.58	0.73	1.30
Maharashtra	72.82	74.90	2.09	2.86
Mumbai	33.16	33.95	0.77	2.32
North East	9.73	9.55	-0.18	-1.85
Orissa	25.01	25.47	0.46	1.84
Punjab	31.63	32.43	0.80	2.54
Rajasthan	51.94	53.57	1.63	3.13
T.N. (incl. Chennai)	77.22	78.09	0.87	1.13
U.P.(E)	75.42	77.78	2.36	3.13
U.P.(W)	48.02	49.30	1.28	2.66
Kolkata	22.96	22.15	-0.82	-3.56
West Bengal	41.49	42.80	1.30	3.14
All India	915.19	933.01	17.80	1.95

- 1.5 During the quarter, J&K Circle has recorded the highest growth rate of 4.39%, followed by Bihar (4.06%). Kolkata Circle shows the decline rate of 3.56% during the quarter ending Mar-14.

Table 1.3: Service Area wise Rural-Urban Subscribers – Mar-14

Service Area	Subscribers (million)			
	Total	Rural	Urban	% of Rural Subs
Andhra Pradesh	69.19	28.58	40.61	41.31
Assam	15.46	9.20	6.27	59.48
Bihar	61.97	34.10	27.86	55.03
Delhi	45.69	2.37	43.32	5.18
Gujarat	56.23	20.95	35.28	37.26
Haryana	21.75	10.35	11.40	47.59
Himachal Pradesh	7.37	4.77	2.61	64.63
Jammu & Kashmir	8.13	3.76	4.37	46.27
Karnataka	56.64	17.51	39.13	30.91
Kerala	34.01	16.97	17.04	49.89
Madhya Pradesh	56.58	24.79	31.79	43.81
Maharashtra	74.90	34.84	40.07	46.51
Mumbai	33.95	0.35	33.60	1.02
North East	9.55	4.39	5.17	45.92
Orissa	25.47	13.78	11.69	54.11
Punjab	32.43	12.40	20.03	38.23
Rajasthan	53.57	26.21	27.36	48.92
T.N. (incl. Chennai)	78.09	21.91	56.18	28.06
U.P.(E)	77.78	38.32	39.46	49.27
U.P.(W)	49.30	22.70	26.60	46.04
Kolkata	22.15	1.77	20.38	7.97
West Bengal	42.80	27.74	15.06	64.82
All India	933.01	377.73	555.28	40.49

Chart 1.5: Net Addition/decline in Telephone Subscription



1.6 The net addition in telephone subscribers is 17.82 million in QE Mar-14 as against the net addition of 15.33 million in QE Dec-13.

Table 1.4 : Service Area wise Teledensity

Service Area	As on 31 st December, 2013			As on 31 st March, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	44.14	165.74	77.99	45.53	167.61	79.52
Assam	33.23	128.94	48.15	34.36	126.27	48.74
Bihar	28.16	146.76	44.43	29.41	150.96	46.10
Delhi	-	-	226.29	-	-	226.85
Gujarat	56.03	135.87	88.92	57.44	137.63	90.54
Haryana	58.87	116.23	78.97	59.77	121.39	81.44
Himachal Pradesh	76.22	337.19	106.04	77.08	325.88	105.59
J&K	40.85	125.93	64.17	42.61	130.69	66.80

Service Area	As on 31 st December, 2013			As on 31 st March, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Karnataka	45.75	169.06	92.76	46.24	167.20	92.45
Kerala	64.20	193.39	97.05	64.34	189.65	96.19
Madhya Pradesh	32.80	116.90	55.52	33.67	116.34	56.04
Maharashtra*	54.48	127.44	89.17	56.37	129.66	91.30
Mumbai*						
North East	42.45	160.12	71.48	42.68	153.02	69.97
Orissa	38.52	162.27	59.92	39.87	161.14	60.90
Punjab	69.16	152.86	104.87	71.67	154.73	107.22
Rajasthan	46.94	156.80	73.37	48.58	160.01	75.39
T.N. (incl Chennai)	71.08	138.76	110.07	74.02	138.16	111.14
U.P.(E)*	33.99	130.75	55.86	35.55	131.53	57.27
U.P.(W)*						
Kolkata*	43.78	133.19	69.35	44.37	132.96	69.72
W.B.*						
All India	42.67	144.95	74.02	43.96	145.78	75.23

* Population data/projections are available state-wise only.

Notes:

1. Tele-density figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.
2. Delhi Service area, apart from the State of Delhi, includes wireless subscribers of the areas served by the local exchanges of Ghaziabad & Noida (in UP) and Gurgaon & Faridabad (in Haryana).

1.7 Himachal Pradesh has the highest Rural Tele-density of 77.08, followed by Tamil Nadu (74.02). Bihar continues to have the lowest Rural Tele-density of 29.41, followed by Madhya Pradesh (33.67).

Table 1.5 : Growth/Decline in Subscribers

Service Provider	Subscriber base (millions)			Rate of Growth (%)	Market Share Dec-13 (%)	Market Share □ Mar-14 (%)
	Dec-13	Mar-14	Net Additions			
Bharti	201.76	208.75	6.98	3.46	22.05	22.37
Vodafone	160.46	166.62	6.16	3.84	17.53	17.86
IDEA	128.69	135.79	7.10	5.52	14.06	14.55
Reliance	118.48	112.13	-6.35	-5.36	12.95	12.02
Tata	64.78	64.55	-0.23	-0.35	7.08	6.92
Aircel	66.91	70.15	3.24	4.84	7.31	7.52
Loop Mobile	2.98	2.90	-0.08	-2.79	0.33	0.31
Quadrant	2.16	2.39	0.23	10.48	0.24	0.26
Sistema	9.86	9.09	-0.77	-7.81	1.08	0.97
Unitech	32.78	35.61	2.83	8.62	3.58	3.82
Videocon	3.97	4.99	1.02	25.64	0.43	0.53
BSNL	115.23	113.14	-2.09	-1.81	12.59	12.13
MTNL	7.13	6.91	-0.22	-3.04	0.78	0.74
Total	915.19	933.01	17.82	1.95	100	100

1.8 Bharti is the leading operator in access segment in terms of number of subscribers. During the quarter, Idea recorded the highest net addition of 7.10 million subscribers, followed by Bharti (6.98 million) and Vodafone (6.16 million). Reliance recorded the highest net decline of 6.35 million subscribers during this quarter.

Table 1.6 : Market Share of the operators in total rural subscriber base – Q.E. Mar-14

Service Provider	No. of Total Subscribers (in millions)	No. of Rural Subscribers (in millions)	Percentage of Rural subscribers	Market share of Rural subscribers (%)
Bharti	208.75	93.76	44.92	24.82
Vodafone	166.62	89.39	53.65	23.66
IDEA	135.79	74.72	55.02	19.78
BSNL	113.14	38.42	33.96	10.17
Reliance Communication Group	112.13	27.32	24.36	7.23
Aircel	70.15	25.51	36.37	6.75
Tata	64.55	15.24	23.61	4.04
Telewings	35.61	11.20	31.46	2.97
Sistema	9.09	2.11	23.26	0.56
Quadrant	2.39	0.06	2.35	0.01
Loop Mobile	2.90	-	0.00	0.00
Videocon	4.99	-	0.00	0.00
MTNL	6.91	-	0.00	0.00
Total	933.01	377.73	40.49	100

1.9 IDEA continues to be the service provider with highest proportion of rural subscribers (55.02%), followed by Vodafone (53.65%) to their total subscribers.

Section B : Wireless Service

Table 1.7: List of Cellular Mobile (GSM & CDMA) Service Providers currently providing service [As on 31st March, 2014]

Sl.No.	Service Provider	Area of Operation
1	Bharti	All India
2	Aircel Group	All India
3	Reliance Communications Ltd	All India (except Assam & NE)
4	Reliance Telecom Ltd	Kolkata, MP, WB, HP, Bihar, Orissa, Assam & NE
5	Vodafone	All India
6	Tata Teleservices	All India except Assam, NE & J&K
7	IDEA/Spice	All India
8	Sistema Shyam Telelink	Delhi, Kolkata, Gujarat, Karnataka, Tamil Nadu (incl. Chennai), Kerala, UP(W), Rajasthan & W.B.
9	BSNL	All India (except Delhi & Mumbai)
10	MTNL	Delhi & Mumbai
11	Loop Telecom Pvt Ltd	Mumbai
12	Quadrant	Punjab
13	Telewings Communications Services Pvt. Ltd.^	MH, Gujarat, AP, UP(W), UP(E), Bihar
14	Videocon Telecommunications Ltd	Gujarat, Haryana, UP(W)*, UP(E)*, MP, Bihar*

* M/s Videocon has no subscriber in UP(W), UP(E) and Bihar service areas as on 31.03.2014.

^ Telewings Communications was previously known as Unitech Group.

1.10 Complete list of licensed Cellular (GSM & CDMA) Service providers as on 31st March, 2014 is at Annexure -1.1

1.11 Total Wireless (GSM+CDMA) subscriber base increased from 886.30 million at the end of Dec-13 to 904.51 million at the end of Mar-14, thereby showing a growth rate of 2.05%. During this quarter, net addition of 18.21 million subscribers was recorded. The year-on-year (Y-O-Y), wireless subscribers shows growth rate of 4.23% for Mar-14. Wireless Teledensity increased from 71.69 at the end of Dec-13 to 72.94 at the end of Mar-14.

Chart 1.6: Wireless Subscriber Base and Teledensity

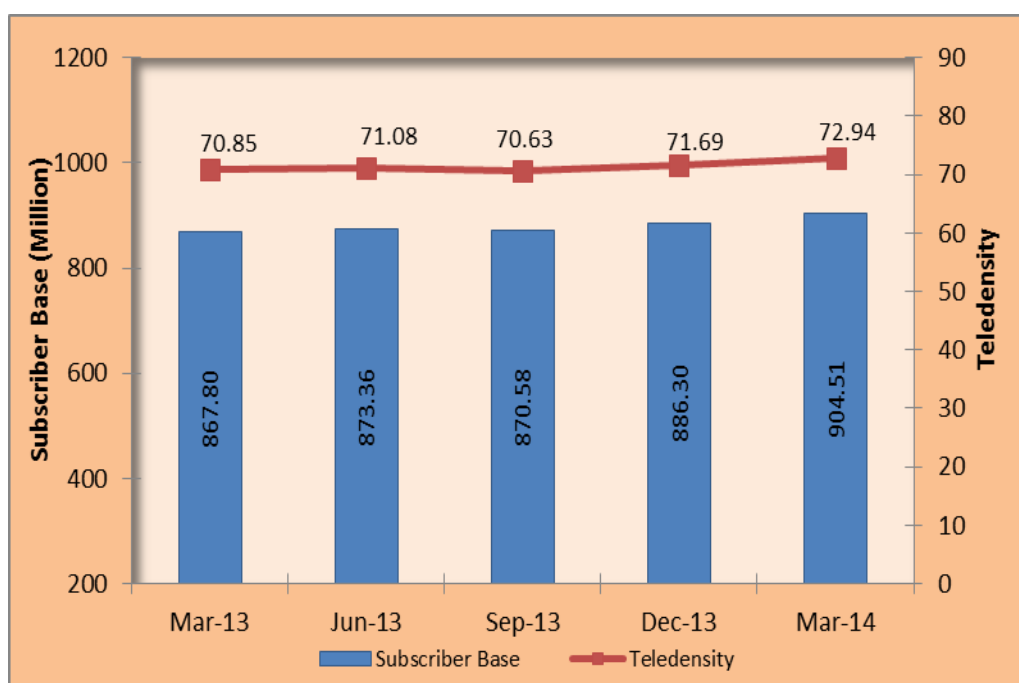


Table 1.8: Wireless Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Tele-density	
	Rural	Urban	Rural	Urban
Mar-13	342.50	525.30	40.23	140.67
Jun-13	351.10	522.27	41.14	139.16
Sep-13	350.37	520.21	40.96	137.93
Dec-13	359.67	526.63	41.95	138.94
Mar-14	371.78	532.73	43.27	139.86

1.12 The Rural Wireless subscribers increased from 359.67 million at the end of Dec-13 to 371.78 million at the end of Mar-14.

1.13 Rural subscription increased at the rate of 3.37% in QE Mar-14 as against the growth rate of 2.65% in QE Dec-13. Urban subscription increased at the rate of 1.16% as against the growth rate of 1.23% in the previous quarter. The share of rural wireless subscription increased from 40.58% to 41.10% in total wireless subscription in this quarter.

Chart 1.7: Wireless Market Share - Rural & Urban

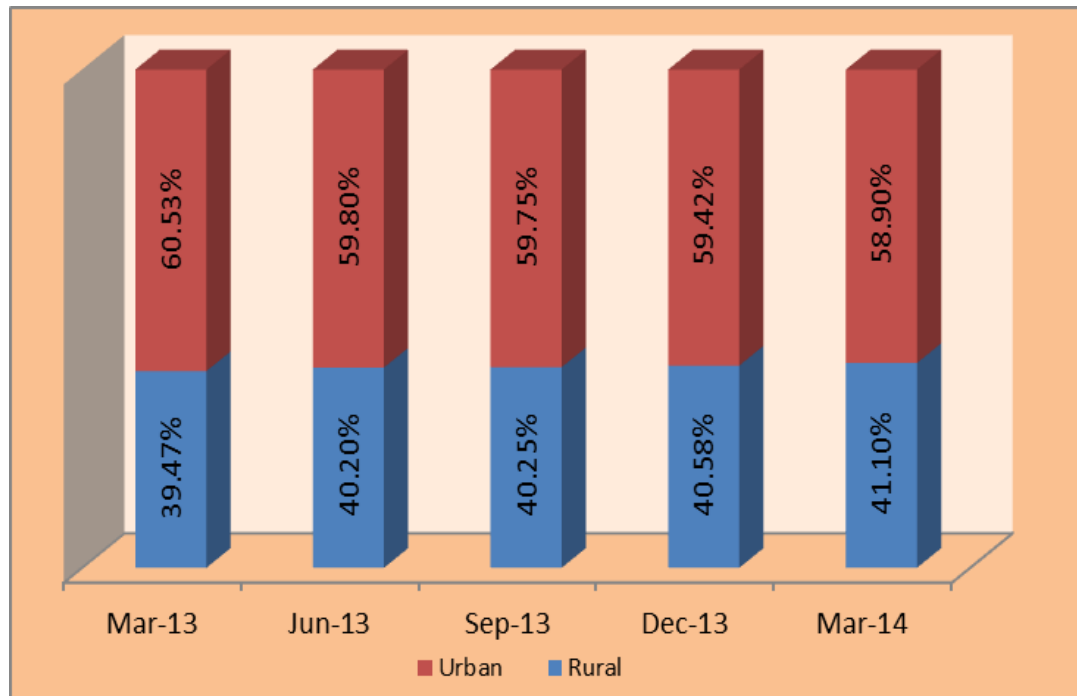


Table 1.9: Growth in Wireless Subscriber base

Service Provider	Subscriber Base (millions)			Rate of Growth (%)	Market Share □ Dec-13 (%)	Market Share □ Mar-14 (%)
	Dec-13	Mar-14	Net Additions			
Bharti	198.41	205.39	6.98	3.52	22.39	22.71
Vodafone	160.41	166.56	6.15	3.84	18.10	18.41
IDEA	128.69	135.79	7.10	5.52	14.52	15.01
Reliance Comm. Group	117.24	110.89	-6.35	-5.42	13.23	12.26
BSNL	96.29	94.65	-1.64	-1.71	10.86	10.46
Aircel	66.91	70.15	3.24	4.84	7.55	7.76
Tata	63.27	63.00	-0.27	-0.42	7.14	6.97
Telewings	32.78	35.61	2.83	8.62	3.70	3.94
Sistema	9.81	9.04	-0.77	-7.85	1.11	1.00
Videocon	3.97	4.99	1.02	25.64	0.45	0.55
MTNL	3.59	3.37	-0.22	-6.10	0.41	0.37
Loop	2.98	2.90	-0.08	-2.79	0.34	0.32
Quadrant	1.96	2.18	0.22	11.38	0.22	0.24
Total	886.30	904.51	18.21	2.05	-	-

1.14 Bharti remains the leading operator with 205.39 million subscribers at the end of Mar-14, followed by Vodafone (166.56 million) and Idea (135.79 million).

1.15 In terms of net additions during the quarter, Idea (7.10 million) has added the highest number of subscribers, followed by Bharti (6.98 million). Reliance Communication Group has incurred the maximum net loss of 6.35 million wireless subscribers during this quarter.

Table 1.10: Service Area wise Wireless Subscriber base

Service Area	Subscriber base (in million)			
	Dec-13	Mar-14	Net Additions	Rate of change (%)
Andhra Pradesh	65.65	67.15	1.50	2.29
Assam	15.04	15.28	0.24	1.57
Bihar	59.17	61.59	2.42	4.09
Delhi	42.16	42.58	0.42	1.00
Gujarat	53.35	54.54	1.19	2.23
Haryana	20.50	21.25	0.75	3.67
Himachal Pradesh	7.13	7.12	-0.01	-0.13
Jammu & Kashmir	7.59	7.94	0.34	4.54
Karnataka	54.35	54.32	-0.03	-0.06
Kerala	31.33	31.12	-0.21	-0.66
Madhya Pradesh	54.76	55.48	0.72	1.31
Maharashtra	70.48	72.59	2.11	2.99
Mumbai	30.11	30.88	0.78	2.58
North East	9.59	9.41	-0.18	-1.85
Orissa	24.66	25.13	0.46	1.88
Punjab	30.36	31.21	0.85	2.79
Rajasthan	50.98	52.65	1.66	3.26
T.N. (incl. Chennai)	74.26	75.17	0.92	1.24
U.P.(E)	74.58	76.98	2.40	3.22
U.P.(W)	47.38	48.76	1.37	2.90
Kolkata	21.88	21.07	-0.81	-3.69
West Bengal	40.98	42.29	1.31	3.20
All India	886.30	904.51	18.21	2.05

**Table 1.11: Service Area wise Wireless Rural-Urban Subscriber
base**

Service Area	Subscriber base (in million) – Mar-14			
	Total	Rural	Urban	% of Rural Subscribers
Andhra Pradesh	67.15	28.05	39.10	41.77
Assam	15.28	9.16	6.12	59.97
Bihar	61.59	33.99	27.59	55.20
Delhi	42.58	2.37	40.22	5.55
Gujarat	54.54	20.62	33.91	37.82
Haryana	21.25	10.21	11.04	48.04
Himachal Pradesh	7.12	4.58	2.54	64.32
Jammu & Kashmir	7.94	3.73	4.21	46.95
Karnataka	54.32	17.18	37.14	31.63
Kerala	31.12	15.07	16.06	48.41
Madhya Pradesh	55.48	24.63	30.85	44.40
Maharashtra	72.59	34.29	38.31	47.23
Mumbai	30.88	0.35	30.54	1.12
North East	9.41	4.35	5.06	46.23
Orissa	25.13	13.69	11.44	54.49
Punjab	31.21	12.06	19.15	38.64
Rajasthan	52.65	26.00	26.65	49.38
T.N. (incl. Chennai)	75.17	21.41	53.77	28.48
U.P.(E)	76.98	38.16	38.83	49.56
U.P.(W)	48.76	22.63	26.13	46.41
Kolkata	21.07	1.77	19.31	8.38
West Bengal	42.29	27.50	14.79	65.04
All India	904.51	371.78	532.73	41.10

Table 1.12 : Service Area wise Wireless Tele-density

Service Area	As on 31 st December, 2013			As on 31 st March, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	43.27	159.44	75.61	44.68	161.37	77.17
Assam	33.10	125.87	47.56	34.23	123.26	48.16
Bihar	28.06	145.28	44.15	29.31	149.49	45.81
Delhi	-	-	210.84	-	-	211.44
Gujarat	55.12	130.49	86.18	56.55	132.30	87.82
Haryana	58.03	112.30	77.04	58.95	117.58	79.57
Himachal Pradesh	73.13	328.52	102.31	74.07	317.41	101.96
Jammu & Kashmir	40.47	121.25	62.61	42.24	126.08	65.26
Karnataka	44.86	160.46	88.93	45.38	158.69	88.67
Kerala	56.86	182.27	88.74	57.13	178.68	88.02
Madhya Pradesh	32.58	113.45	54.44	33.45	112.88	54.95
Maharashtra*	53.58	118.89	84.64	55.49	121.17	86.79
Mumbai*						
North East	42.10	156.94	70.44	42.35	149.89	68.94
Orissa	38.24	158.73	59.09	39.60	157.63	60.07
Punjab	67.08	145.83	100.68	69.71	147.91	103.18
Rajasthan	46.52	152.49	72.01	48.18	155.84	74.09
T.N. (incl. Chennai)	69.35	132.70	105.85	72.31	132.24	106.99
U.P.(E)*	33.82	128.36	55.19	35.41	129.32	56.67
U.P.(W)*						
Kolkata*	43.41	128.06	67.62	44.01	127.91	68.02
West Bengal*						
All India	41.95	138.94	71.69	43.27	139.86	72.94

* Population data/projections are available state-wise only.

Notes:

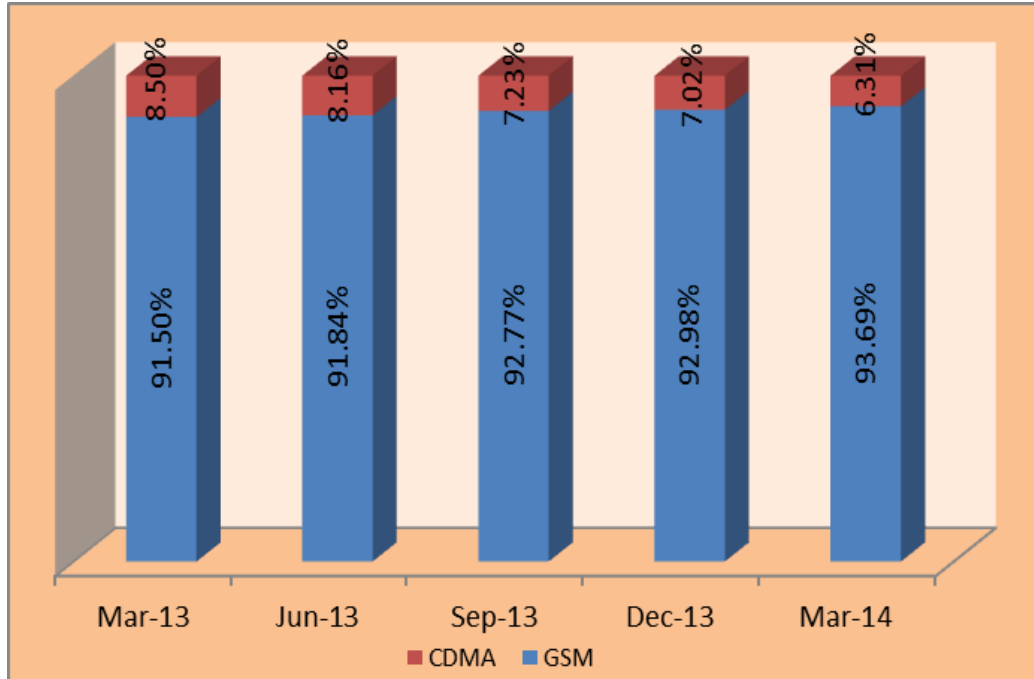
1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.
2. Delhi service area, apart from the State of Delhi, includes the areas served by the local exchanges of Ghaziabad & Noida (in UP) and Gurgaon & Faridabad (in Haryana).

Table 1.13 : Rural Wireless Subscriber base and Market Share

Service Provider	Subscribers at the end of Mar-14 (in millions)	Rural Subscribers (in millions)		% of Rural subscribers in total		Market Share of Rural Subscribers (%)	
		Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14
Bharti	205.39	90.16	93.76	45.44	45.65	25.07	25.22
Vodafone	166.56	86.12	89.39	53.69	53.67	23.94	24.04
IDEA	135.79	70.38	74.72	54.69	55.02	19.57	20.10
BSNL	94.65	32.56	32.53	33.81	34.36	9.05	8.75
Reliance Comm. Group	110.89	28.54	27.32	24.34	24.63	7.94	7.35
Aircel	70.15	24.24	25.51	36.23	36.37	6.74	6.86
Tata	63.00	15.04	15.19	23.77	24.12	4.18	4.09
Telewings	35.61	10.32	11.20	31.47	31.46	2.87	3.01
Sistema	9.04	2.27	2.11	23.10	23.30	0.63	0.57
Quadrant	2.18	0.05	0.06	2.50	2.58	0.01	0.02
Videocon	4.99	0.00	0.00	0.00	0.00	0.00	0.00
MTNL	3.37	0.00	0.00	0.00	0.00	0.00	0.00
Loop	2.90	0.00	0.00	0.00	0.00	0.00	0.00
Total	904.51	359.67	371.78	40.58	41.10	100	100

1.16 Detailed table on service provider wise subscriber base in each service area is at Annexure-1.2.

Chart 1.8: Wireless Subscription: GSM vs CDMA



1.17 At the end of Mar-14, GSM subscribers constituted 93.69% of the wireless market.

GSM Services

1.18 The GSM subscribers were 847.41 million at the end of Mar-14 as against 824.06 million at the quarter ending Dec-13, showing a growth of 2.83%. Bharti with 205.39 million subscribers continues to be the largest GSM mobile operator, followed by Vodafone (166.56 million).

**Table 1.14 : Group-wise Market Share (in terms of subscription)
within GSM Service**

Service Provider	Dec-13		Mar-14		Net Additions (in million)
	No of Subscribers (in millions)	Market Share (%)	No of Subscribers (in millions)	Market Share (%)	
Bharti	198.41	24.08	205.39	24.24	6.98
Vodafone	160.41	19.47	166.56	19.66	6.15
Idea	128.69	15.62	135.79	16.02	7.10
BSNL	93.99	11.41	92.40	10.90	-1.59
Reliance Comm. Group	84.88	10.30	81.94	9.67	-2.93
Aircel	66.91	8.12	70.15	8.28	3.24
Tata	45.64	5.54	46.26	5.46	0.62
Telewings	32.78	3.98	35.61	4.20	2.83
Videocon	3.97	0.48	4.99	0.59	1.02
MTNL	3.46	0.42	3.25	0.38	-0.22
Loop	2.98	0.36	2.90	0.34	-0.08
Quadrant	1.95	0.24	2.18	0.26	0.22
Total	824.06	100	847.41	100	23.34

1.19 There has been a net increase of 23.34 million GSM subscribers during the quarter ending Mar-14.

CDMA Services

1.20 The CDMA subscriber base further declined from 62.24 million at the end of Dec-13 to 57.10 million at the end of Mar-14, thereby showing a negative growth rate of 5.13%. Reliance Communications Group with 28.95 million subscribers continues to be the largest CDMA mobile operator. In terms of net additions during the quarter, all the service providers recorded decline in their subscriber base.

Table 1.15 : Market Share (in terms of subscription) within CDMA Service

Service Provider	Dec-13		Mar-14		Net Addition/ Decline (in million)
	No of Subscribers (in million)	Market Share (%)	No of Subscribers (in million)	Market Share (%)	
Reliance Comm. Group	32.37	52.01	28.95	50.70	-3.42
Tata	17.63	28.32	16.74	29.31	-0.89
Sistema	9.81	15.76	9.04	15.83	-0.77
BSNL	2.30	3.70	2.25	3.94	-0.05
MTNL	0.13	0.21	0.13	0.22	-0.0011
Quadrant	0.003	0.004	0.003	0.005	-0.0002
Total	62.24	100	57.10	100	-5.13

1.21 There has been a net decline of 5.13 million CDMA subscribers during the quarter ending Mar-14.

Section C : Wireline Service

Table 1.16 : Service Providers providing Wireline Service

[as on 31st March, 2014]

Sl. No.	Name of the Service Provider	Area of Operation
1	BSNL	All India except Delhi & Mumbai
2	MTNL	Delhi & Mumbai
3	Bharti Airtel Ltd	Andhra Pradesh, Delhi, Gujarat, Haryana, Madhya Pradesh & Chhatisgarh, Maharashtra, Mumbai, Punjab, Tamil Nadu (incl. Chennai), Karnataka, Kerala, Kolkata, Rajasthan, UP(East) and UP(West)
4	Tata Teleservices Ltd. & Tata Teleservices (Mah) Ltd.	All India except N.E., Assam and J&K
5	Quadrant Televentures Ltd. (HFCL)	Punjab
6	Sistema Shyam Telelink Ltd.	Rajasthan
7	Reliance Communications Ltd.	All India except Assam & North-East
8	Vodafone	All India except H.P., J&K and Kerala

1.22 Total Wireline subscriber base declined from 28.89 million at the end of Dec-13 to 28.49 million at the end of Mar-14 with declining rate of 1.41%. Overall Wireline Teledensity is 2.30 at the end of this quarter as against 2.34 of the previous quarter.

1.23 Rural subscriber base has shown decline of 2.74%, from 6.12 Million at the end of Dec-13 to 5.96 Million at the end of Mar-14. During the same period, Urban subscription also recorded decline of 1.06%, from 22.77 million to 22.53 million.

Chart 1.9: Wireline Subscriber Base and Teledensity

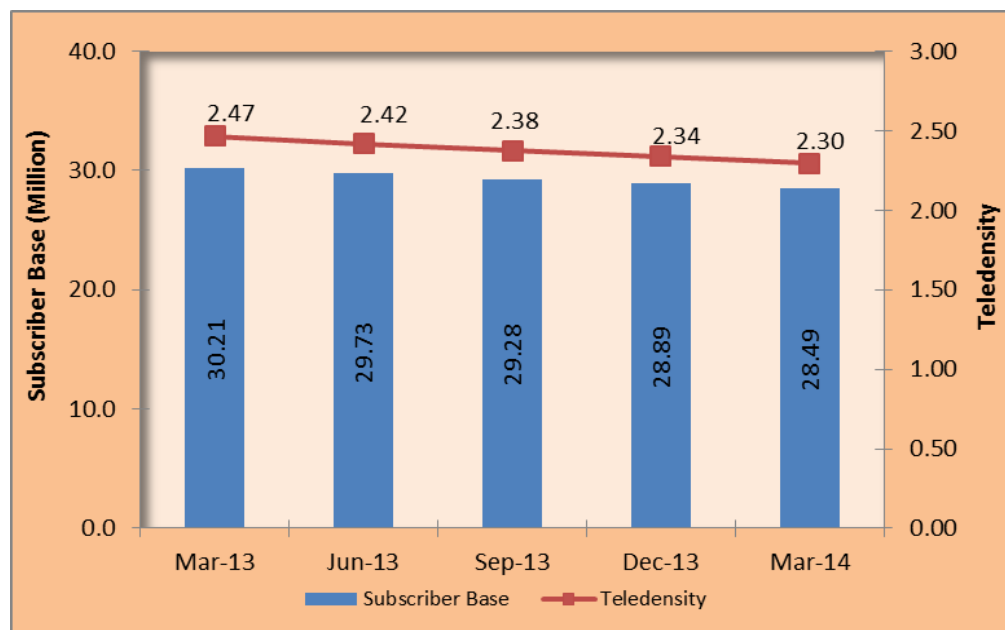


Table 1.17 : Wireline Subscriber Base & Tele-density - Rural & Urban

Quarter ending	Subscriber Base (million)		Teledensity	
	Rural	Urban	Rural	Urban
Mar-13	6.71	23.50	0.79	6.29
Jun-13	6.51	23.22	0.76	6.19
Sep-13	6.31	22.97	0.74	6.09
Dec-13	6.12	22.77	0.71	6.01
Mar-14	5.96	22.53	0.69	5.91

Table 1.18 : Service Provider wise Subscriber base (Rural - Urban)

Service Provider	Subscriber Base (million) Mar-14			Share of Rural subscription (%)
	Rural	Urban	Total	
BSNL	5.89	12.59	18.49	31.89
MTNL	-	3.53	3.53	--
Bharti	-	3.36	3.36	--
Reliance	0.002	1.24	1.24	0.16
Tata	0.05	1.50	1.55	3.18
Quadrant	-	0.21	0.21	--
Sistema	0.01	0.05	0.06	17.38
Vodafone	-	0.06	0.06	--
Total	5.96	22.53	28.49	20.91

Chart 1.10: Composition of Wireline Subscriber base - Rural & Urban

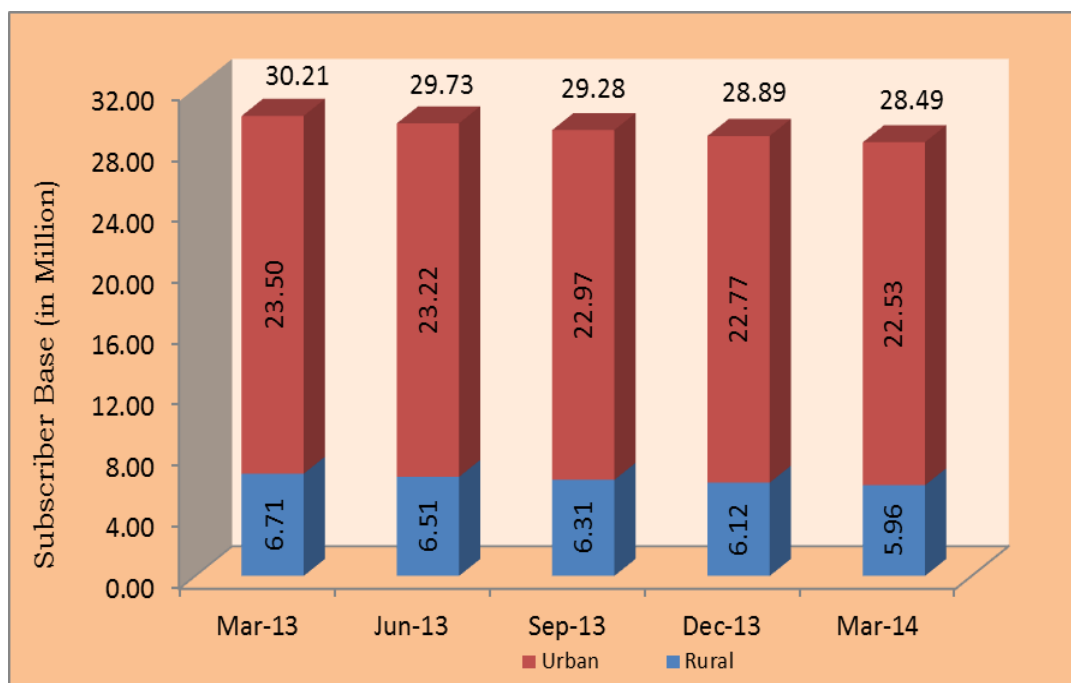


Table 1.19 : Service Provider wise growth in Subscriber base

Service Provider	Subscriber Base (million)			Rate of change (%)	Market share- Dec-13 (%)	Market share- Mar-14 (%)
	Dec-13	Mar-14	Net Addition			
BSNL	18.94	18.49	-0.448	-2.36	65.54	64.90
MTNL	3.54	3.53	-0.011	-0.32	12.25	12.39
Bharti	3.35	3.36	0.001	0.04	11.61	11.78
Tata	1.51	1.55	0.042	2.76	5.22	5.44
Reliance	1.24	1.24	-0.001	-0.11	4.30	4.35
Quadrant	0.21	0.21	0.004	2.02	0.72	0.75
Sistema	0.06	0.06	-0.001	-1.14	0.19	0.19
Vodafone	0.05	0.06	0.005	10.02	0.17	0.19
Total	28.89	28.49	-0.409	-1.41	100	100

1.24 Detailed table on service provider wise subscriber base in each service area is at Annexure-1.3.

Table 1.20: Service Area wise Wireline Subscriber base (in million)

Service Area	Dec-13	Mar-14	Net Additions (in million)	Rate of Change (%)
Andhra Pradesh	2.07	2.04	-0.023	-1.13
Assam	0.19	0.18	-0.003	-1.50
Bihar	0.38	0.38	0.001	0.24
Delhi	3.09	3.10	0.014	0.46
Gujarat	1.70	1.69	-0.010	-0.59
Haryana	0.51	0.50	-0.012	-2.31
Himachal Pradesh	0.26	0.25	-0.006	-2.27
Jammu & Kashmir	0.19	0.19	-0.003	-1.35
Karnataka	2.34	2.32	-0.019	-0.83
Kerala	2.93	2.89	-0.046	-1.56
Madhya Pradesh	1.09	1.10	0.009	0.82
Maharashtra	2.33	2.31	-0.025	-1.05
Mumbai	3.06	3.05	-0.006	-0.19
North East	0.14	0.14	-0.002	-1.51
Orissa	0.35	0.35	-0.003	-0.75
Punjab	1.27	1.22	-0.043	-3.41
Rajasthan	0.96	0.92	-0.036	-3.73
T.N. (incl. Chennai)	2.96	2.91	-0.047	-1.58
U.P.(E)	0.84	0.80	-0.034	-4.07
U.P.(W)	0.64	0.54	-0.096	-15.05
Kolkata	1.09	1.08	-0.011	-1.00
W.B.	0.52	0.51	-0.010	-1.88
All India	28.89	28.49	-0.409	-1.41

1.25 Only Bihar, Delhi and Madhya Pradesh service areas showed positive growth in wireline service during this quarter.

**Table 1.21: Service Area wise Wireline Rural-Urban Subscriber Base
– Mar-14 (in million)**

Service Area	Total Subs	Rural Subs	Urban Subs	% of Rural Subs
Andhra Pradesh	2.04	0.53	1.51	26.13
Assam	0.18	0.03	0.15	18.83
Bihar	0.38	0.11	0.27	28.72
Delhi	3.10	0.00	3.10	0.00
Gujarat	1.69	0.32	1.37	19.19
Haryana	0.50	0.14	0.36	28.44
Himachal Pradesh	0.25	0.19	0.07	73.28
Jammu & Kashmir	0.19	0.03	0.15	17.50
Karnataka	2.32	0.33	1.99	14.10
Kerala	2.89	1.90	0.99	65.85
Madhya Pradesh	1.10	0.16	0.95	14.35
Maharashtra	2.31	0.55	1.76	23.85
Mumbai	3.05	0.00	3.05	0.00
North East	0.14	0.03	0.11	24.60
Orissa	0.35	0.09	0.25	26.67
Punjab	1.22	0.34	0.88	27.72
Rajasthan	0.92	0.21	0.71	22.91
T.N. (incl. Chennai)	2.91	0.51	2.41	17.34
U.P.(E)	0.80	0.17	0.64	20.80
U.P.(W)	0.54	0.07	0.47	12.90
Kolkata	1.08	0.00	1.08	0.00
W.B.	0.51	0.24	0.27	46.74
All India	28.49	5.96	22.53	20.91

Table 1.22: Service Area wise Wireline Teledensity

Service Area	As on 31 st December, 2013			As on 31 st March, 2014		
	Rural Teledensity	Urban Teledensity	Total Teledensity	Rural Teledensity	Urban Teledensity	Total Teledensity
Andhra Pradesh	0.87	6.30	2.38	0.85	6.23	2.35
Assam	0.13	3.06	0.59	0.13	3.01	0.58
Bihar	0.10	1.47	0.28	0.09	1.47	0.28
Delhi	-	-	15.45	-	-	15.41
Gujarat	0.90	5.38	2.75	0.89	5.33	2.72
Haryana	0.84	3.92	1.92	0.82	3.81	1.87
Himachal Pradesh	3.09	8.66	3.73	3.01	8.47	3.63
Jammu & Kashmir	0.38	4.68	1.56	0.37	4.61	1.53
Karnataka	0.89	8.59	3.82	0.86	8.51	3.78
Kerala	7.35	11.12	8.31	7.21	10.97	8.16
Madhya Pradesh	0.21	3.45	1.09	0.22	3.46	1.09
Maharashtra*	0.90	8.54	4.54	0.88	8.47	4.50
Mumbai*						
North East	0.34	3.18	1.04	0.33	3.13	1.03
Orissa	0.27	3.55	0.84	0.27	3.51	0.83
Punjab	2.08	7.03	4.20	1.96	6.82	4.04
Rajasthan	0.42	4.31	1.36	0.39	4.17	1.30
Tamil Nadu (incl. Chennai)	1.73	6.05	4.22	1.71	5.92	4.15
U.P.(E)*	0.16	2.40	0.67	0.14	2.20	0.61
U.P.(W)*						
Kolkata*	0.36	5.12	1.73	0.36	5.05	1.70
W.B.*						
All India	0.71	6.01	2.34	0.69	5.91	2.30

* Population data/projections are available state-wise only

Note:

1. Teledensity figures are derived from the subscriber data provided by the operators and the population projections, for Urban and Rural areas, of the country, published by the Office of the Registrar General & Census Commissioner, India.

Public Call Offices (PCO)

1.26 Total number of PCOs in the country at the end of Mar-14 is 9.57 lakh as compared to 10.20 lakh at the end of Dec-13, showing a decline of 0.63 lakh PCOs. Detailed table is at Annexure -1.4.

Chart 1.11: Number of PCOs

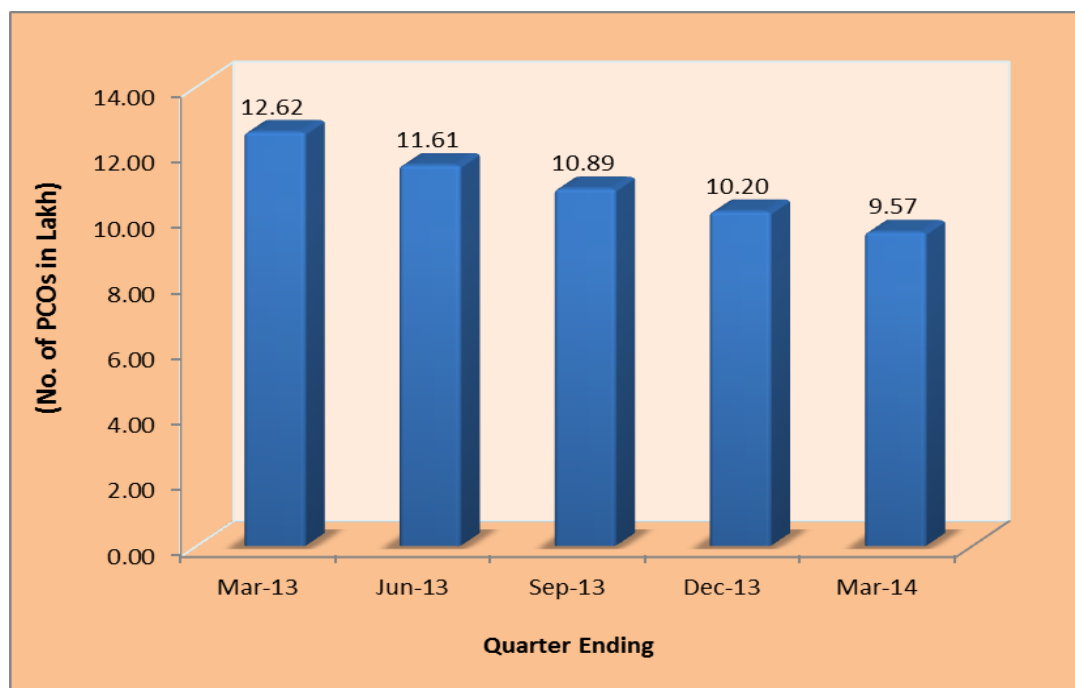


Table 1.23 : Rate of change & Market share of PCOs

Service Provider	Dec-13 (In Lakh)	Mar-14 (In Lakh)	Rate of change (%)	Market share(%) (Mar-14)
BSNL	6.54	6.15	-5.97	64.28
MTNL	1.45	1.43	-1.05	14.98
Bharti	0.29	0.27	-6.08	2.82
Quadrant (HFCL)	0.03	0.03	-4.76	0.33
Sistema	0.12	0.12	-1.13	1.27
Tata	0.91	0.80	-12.88	8.32
Reliance	0.85	0.77	-9.71	8.00
Vodafone	-	-	-	-
Total	10.20	9.57	-6.14	100

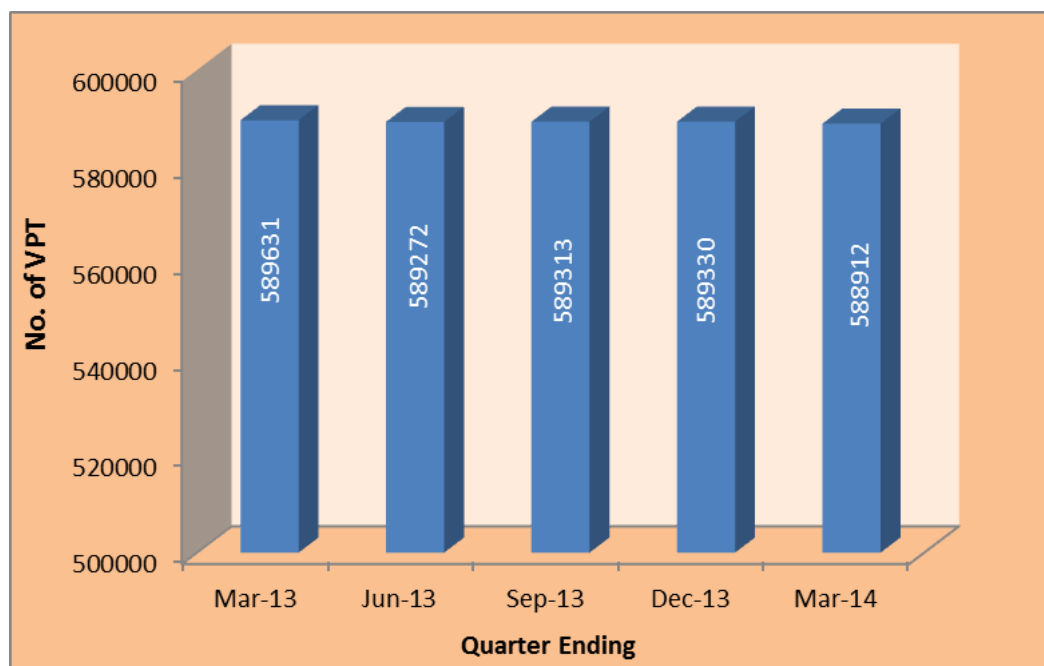
1.27 Number of PCOs continued to show declining trend. This quarter has recorded a decline of 6.14%. The year-on-year (Y-O-Y) decline over the same quarter of the last year is 24.17%.

Village Public Telephones (VPTs)

1.28 There are 5,93,731 inhabited villages in India as per census 2001. At the end of the quarter, 99.19% of the total inhabited villages in India have been connected by VPT. The number of VPTs decreased from 5,89,330 at the end of Dec-13 to 5,88,912 at the end of Mar-14.

1.29 BSNL (5,81,924) has 98.8% market share of total VPTs followed by Tata (3953) with 0.67%. Detailed table is at Annexure -1.5.

Chart 1.12: Growth/decline Trend in VPTs



Section D: Internet Service

1.30 The report summarized information submitted by 128 internet service providers. It is divided into three parts. **Part-I** consists of information of Internet service (both narrowband and broadband), **Part-II** consists of broadband service and **Part-III** covers narrowband service.

Part-I : Internet Service (broadband + narrowband)

1.31 As per reports received from service providers, total number of internet subscribers increased from 238.71 million at the end of Dec-13 to 251.59 million at the end of Mar-14 with quarterly growth of 5.40%.

1.32 Wired Internet subscribers increased from 18.33 million at the end of Dec-13 to 18.50 million at the end of Mar-14 with quarterly growth of 0.92% and Wireless Internet subscribers increased from 220.38 million at the end of Dec-13 to 233.09 million at the end of Mar-14 with quarterly growth of 5.77%.

1.33 Number of Broadband subscribers increased from 55.20 million at the end of Dec-13 to 60.87 million at the end of Mar-14. The number of Narrowband subscribers increased from 183.51 million at the end of Dec-13 to 190.72 million at the end of Mar-14.

Table 1.24: Trend of Internet subscriber base

Segment	Mode of Access								Total Subscribers	
	Wired		Wireless							
			Fixed Wireless (Wi-Fi, Wi-Max, Point-to-Point Radio & VSAT)		Mobile Wireless (Phone + Dongle)		Total Wireless			
Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	
Broadband	14.54	14.86	0.39	0.40	40.27	45.61	40.66	46.01	55.20	60.87
Narrowband	3.79	3.64	0.07	0.04	179.65	187.04	179.72	187.08	183.51	190.72
Total	18.33	18.50	0.46	0.44	219.92	232.65	220.38	233.09	238.71	251.59

1.34 The following charts present the composition of Internet Subscribers by mode of access and composition of Broadband & Narrowband subscription.

Chart 1.13: Composition of Internet subscription

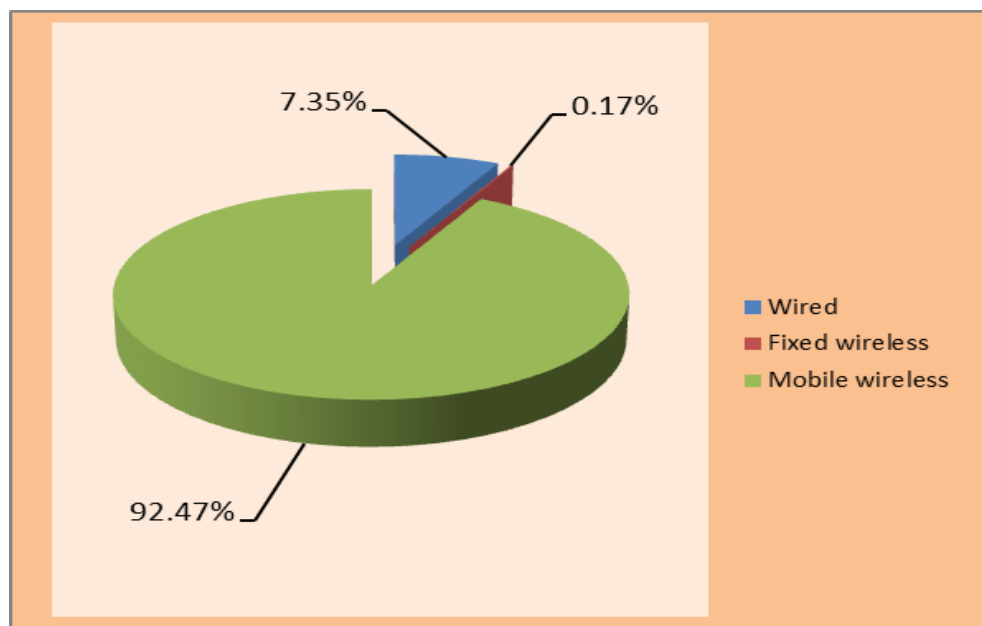


Chart 1.14 : Composition of Broadband & Narrowband subscription

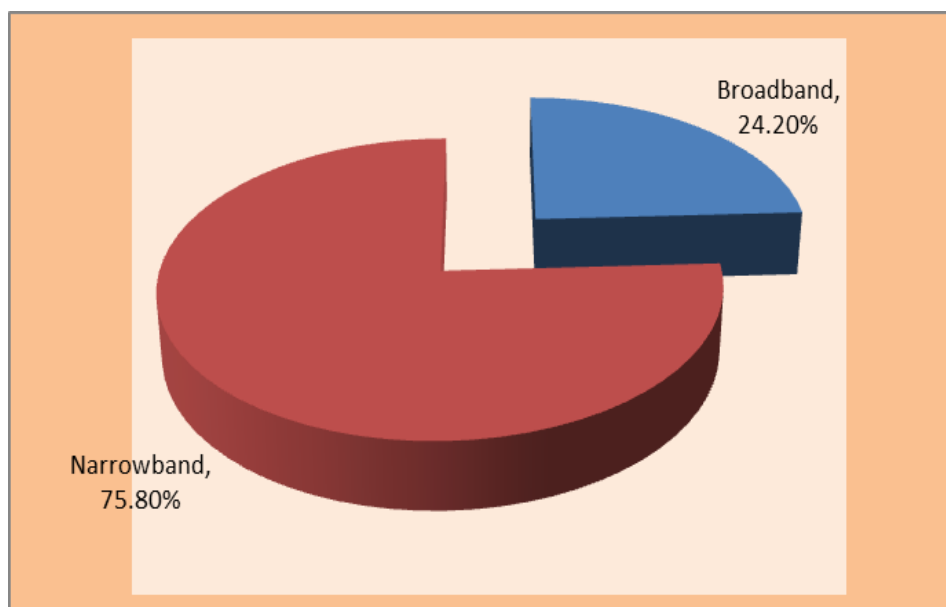
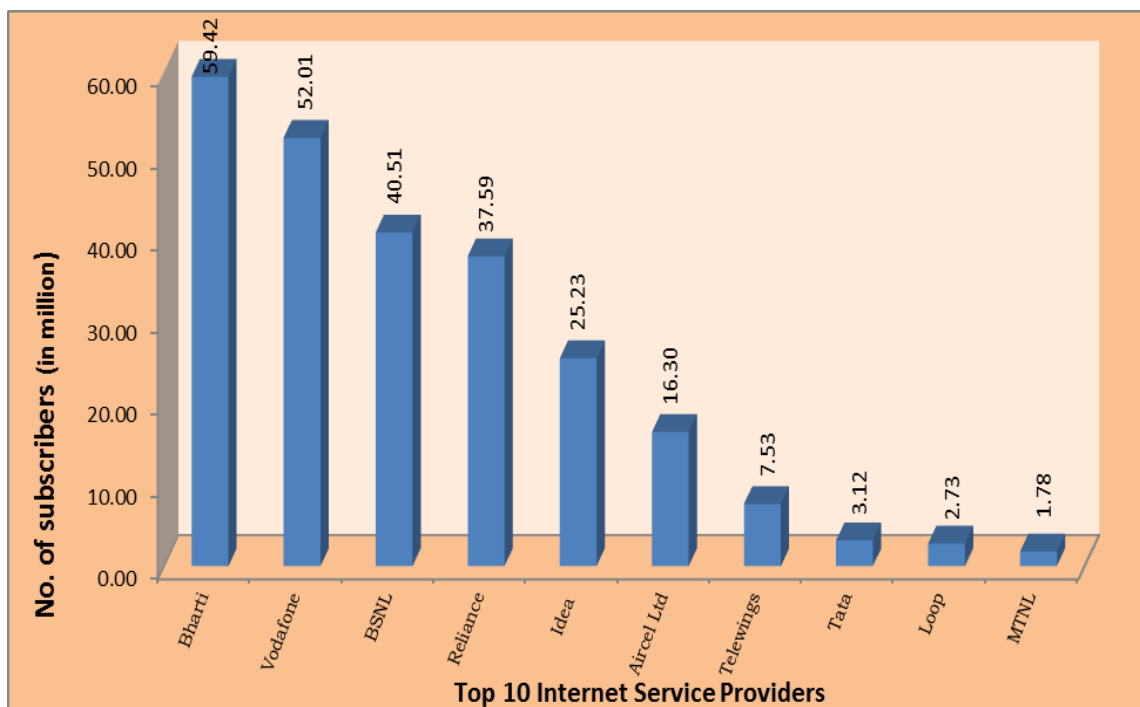


Table 1.25: Internet Subscriber Base and Market Share of top 10 Service Providers – Mar-14

S.No	ISP	Subs	Share (%)
1	Bharti	59419789	23.62
2	Vodafone	52007494	20.67
3	BSNL	40510875	16.10
4	Reliance	37591898	14.94
5	Idea	25230551	10.03
6	Aircel	16302045	6.48
7	Telewings	7531871	2.99
8	Tata	3123734	1.24
9	Loop	2734678	1.09
10	MTNL	1775448	0.71
	Total of Top 10 ISPs	246228383	97.87
	Others	5362159	2.13
	Grand Total	251590542	100.00

1.35 Bharti holds the top position with 23.62% of market share of internet subscribers followed by Vodafone with 20.67%. Top 10 Service Providers together hold 97.87% of total internet subscriber base. Detailed table of all the service providers is available at Annexure-1.6.

Chart 1.15 : Trends of subscriber base achieved by top ten ISPs



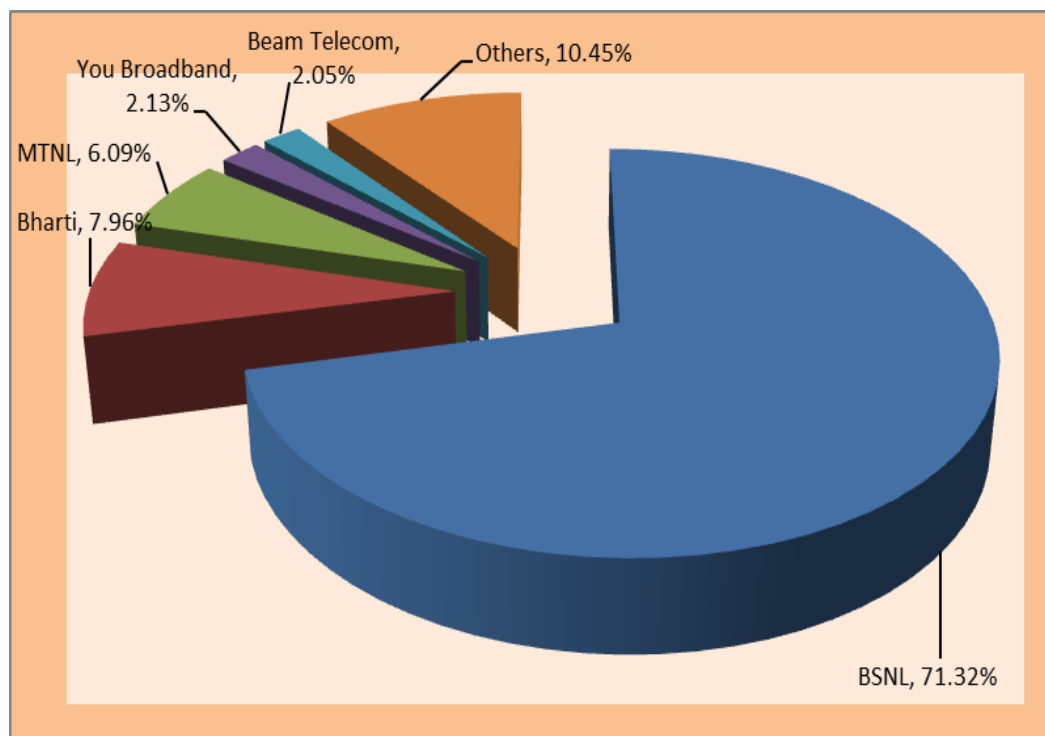
1.36 Top five states in terms of internet subscriptions (wired + wireless) are Maharashtra (40.21 million), Uttar Pradesh including Uttarakhand (24.33 million), Tamil Nadu (20.42 million), Gujarat (19.15 million) and Andhra Pradesh (17.64 million).

1.37 The following chart depicts the trend of subscriber base achieved by top ten ISPs in the QE Mar-14.

1.38 In wired internet segment, BSNL holds 71.32% market share with 13.19 million subscribers, followed by Bharti with 1.47 million and MTNL with 1.13 million subscribers. Total number of wired internet subscriber is 18.50 million at the end of Mar-14.

1.39 The following chart shows the composition of Wired Internet Subscribers.

Chart 1.16 : Composition of Wired Internet subscribers



1.40 In wireless internet segment, Bharti holds 24.86% market share with 57.95 million subscribers followed by Vodafone with 52.00 million and Reliance Communications Group with 37.42 million internet subscribers.

1.41 The following chart shows the composition of Wired Internet Subscribers.

Chart 1.17 : Composition of Wireless Internet subscription

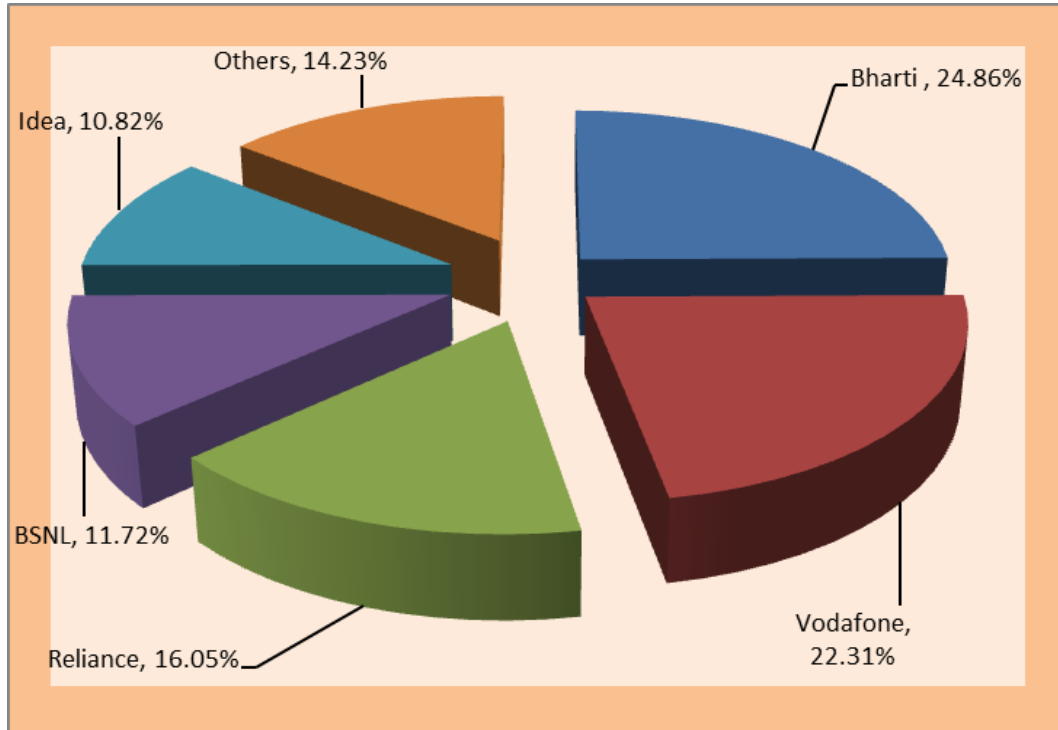


Chart 1.18 : Technology trend for Wireless Internet Access – Mar-14

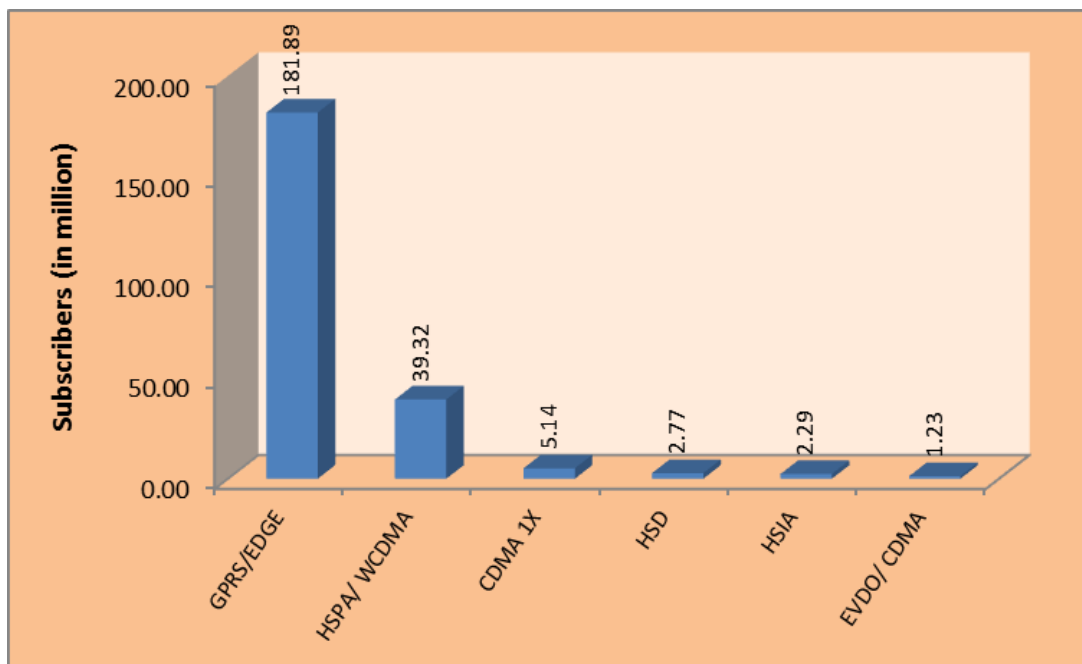
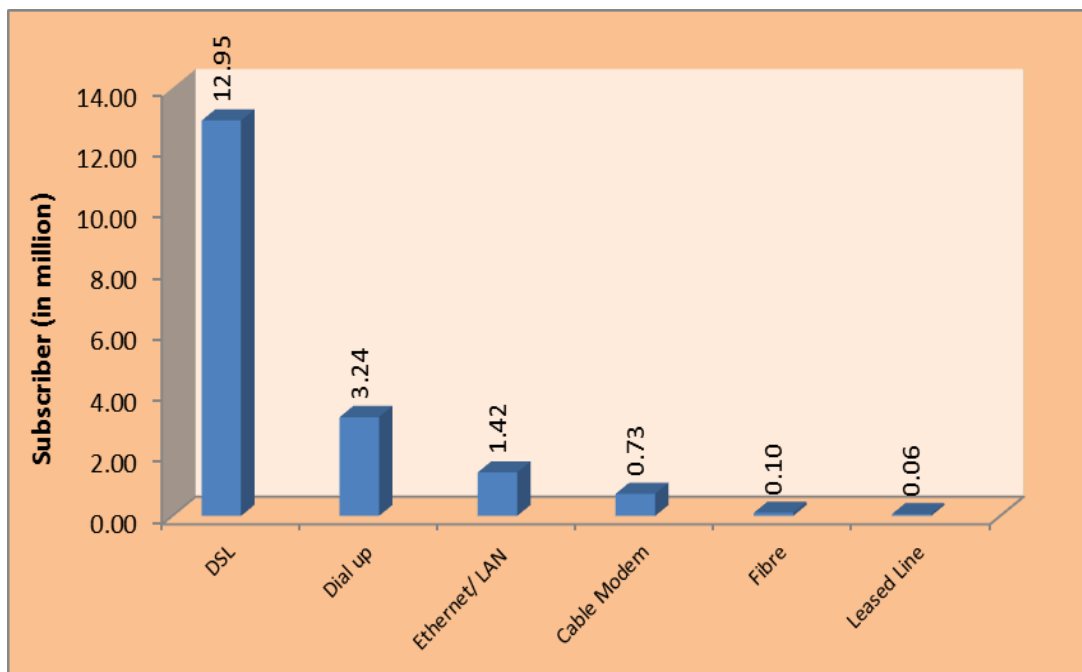


Chart 1.19 : Technology trend for Wired Internet Access – Mar-14



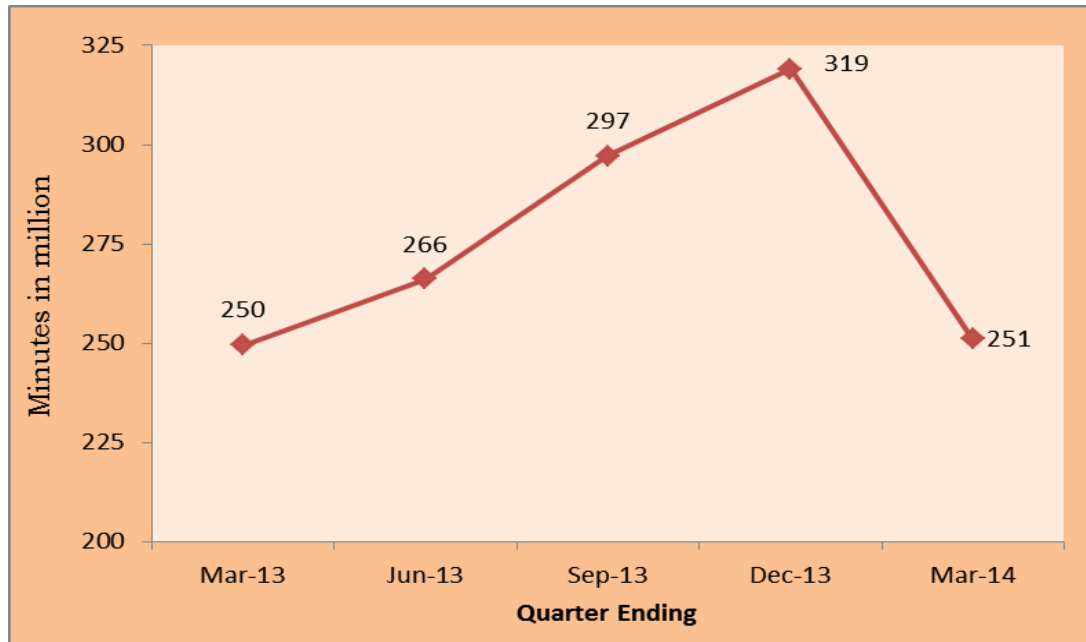
ISP Connectivity

1.42 The International Internet bandwidth owned by various SPs is reported to be 1294 GB during the quarter ending Mar-14.

Internet Telephony

1.43 As per the report available with the TRAI, 23 ISPs are providing Internet Telephony services presently. Total outgoing minutes of usage for internet telephony decreased from 319 million during the Q.E. Dec-13 to 251 million during the Q.E. Mar-14. The list of Internet Telephony Service providers is available at Annexure-1.7.

Chart 1.20 : Trends in MOU for Internet Telephony



Part-II : Broadband Service (Download Speed \geq 512 Kbps)

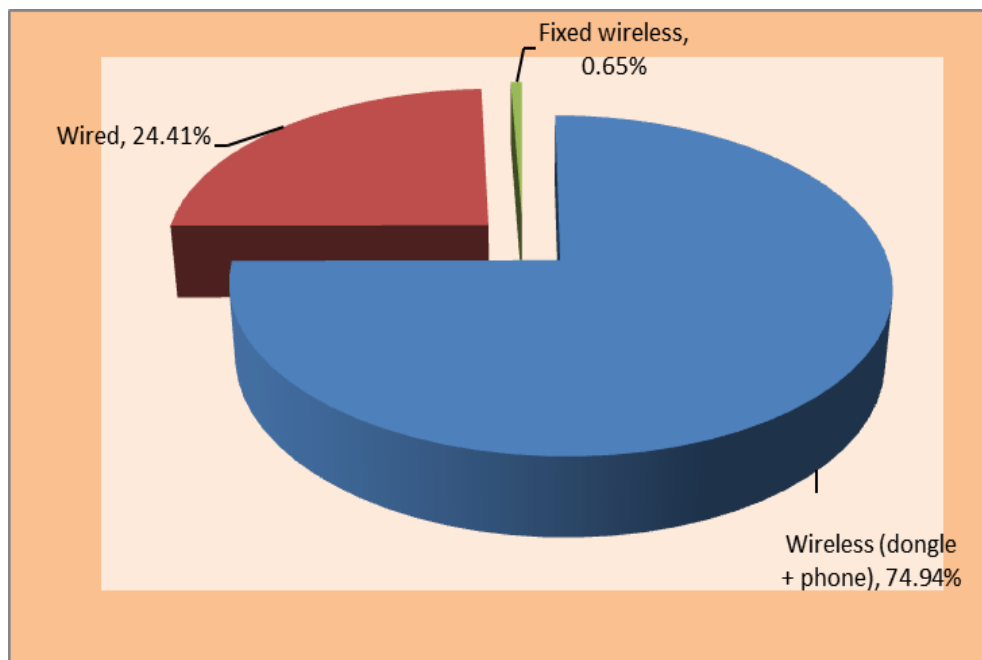
1.44 As per information received from service providers, the total number of broadband subscribers increased from 55.20 million at the end of Dec-13 to 60.87 million at the end of Mar-14. Out of which wired broadband subscribers are 14.86 million and wireless broadband subscribers are 46.01 million.

1.45 Top five broadband (wired+wireless) service providers in term of subscribers are BSNL (16.76 million), Bharti (12.36 million), Idea (7.23 million), Reliance Communications Group (7.22 million) and Vodafone (7.02 million).

1.46 In wired broadband segment, BSNL holds 67.28% market share with 10.00 million subscribers followed by Bharti with 1.38 million and MTNL with 1.13 million subscribers.

1.47 In wireless broadband segment, Bharti holds 23.86% market share with 10.98 million subscribers followed by Idea with 7.23 million and Reliance Communications Group with 7.11 million subscribers.

Chart 1.21 : Composition of Broadband subscription – Technology wise



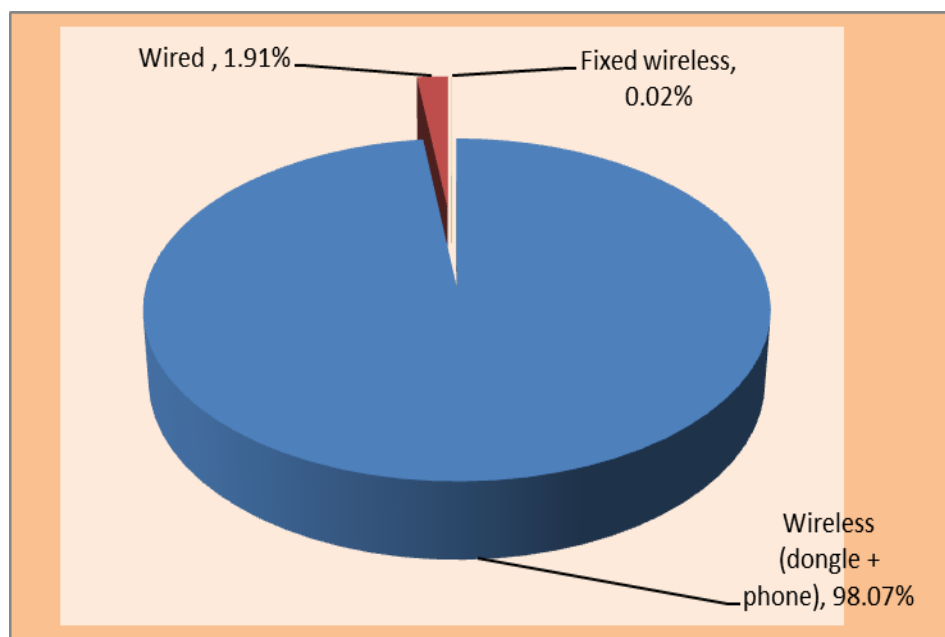
1.48 Wireless (dongle + phone) is the most preferred technology used by the Service Providers to provide Broadband Services and it constitutes 74.94% of total broadband subscribers.

1.49 Top five states in respect of broadband subscriptions are Maharashtra (10.46 million), Tamil Nadu (6.51 million), Delhi (6.43 million), Karnataka (4.87 million) and Andhra Pradesh (4.81 million).

Part-II : Narrowband Service (Download Speed <512 Kbps)

1.50 As reported by the service providers, total number of narrowband subscribers increased from 183.51 million at the end of Dec-13 to 190.72 million at the end of Mar-14. Out of which Wired Narrowband subscribers are 3.64 million and Wireless Narrowband subscribers are 187.04 million.

**Chart 1.22 : Composition of Narrowband subscription
- Technology wise**



1.51 The top five narrowband (wired + wireless) service providers in term of subscriber base are Bharti (47.06 million), Vodafone (44.99 million), Reliance Communications Group (30.37 million), BSNL (23.75 million) and Idea (18.00 million).

1.52 In wired narrowband segment, BSNL holds 87.81% market share with 3.19 million subscribers followed by Bharti (0.09 million) and Tata (0.08 million).

1.53 In wireless narrowband segment, Bharti holds 25.11% market share with 46.97 million subscribers followed by Vodafone (44.99 million) and Reliance Communications Group (30.32 million).

Section E : Other Value Added Services - PMRTS & VSAT

Public Mobile Radio Trunk Services (PMRTS)

Table 1.26 : PMRTS Subscriber base - Service Provider wise

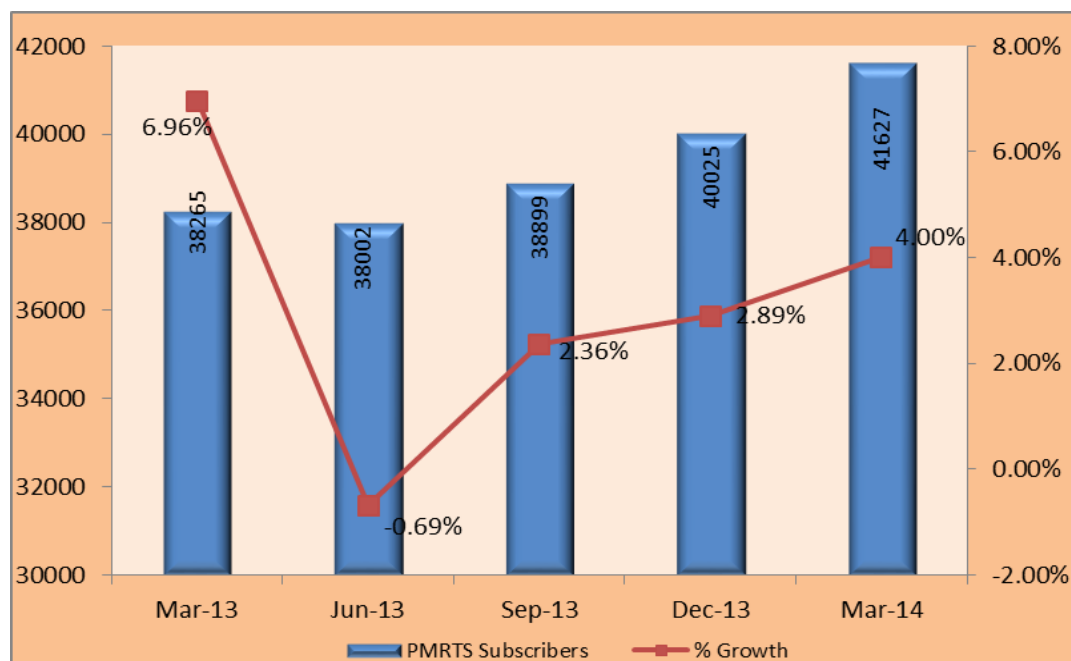
Sr. No.	Name of the Service Provider	Subscriber Base as on 31.12.13	Subscriber Base as on 31.03.14	%age Growth in Subscribers	%age in Market Share
1	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	29636	30947	4.41	74.33
2	Procall Ltd.	5865	5946	1.38	14.28
3	Smartalk Pvt Ltd.	1061	1158	9.14	2.78
4	QuickCall	2753	2896	5.19	6.96
5	Bhilwara Telenet Services Pvt.Ltd.	707	680	-3.82	1.63
6	India Satcom Ltd.	0	0	0.00	0.00
	Total	40025	41627	4.00	100.00

*M/s India Satcom Ltd. reported that their MRTS department is non-functional and they do not have any subscriber.

1.54 The subscriber base of PMRTS increased from 40,025 at the end of Dec-13 to 41,627 at the end of Mar-14 with quarterly growth rate of 4.00%.

1.55 Detailed table on Service Area wise subscriber base of PMRTS is at Annexure-1.8.

Chart 1.23 : Number of PMRTS subscribers & Rate of Growth (%)



Very Small Aperture Terminal (VSAT)

Table 1.27 : VSAT Service Providers currently providing service & their subscriber base

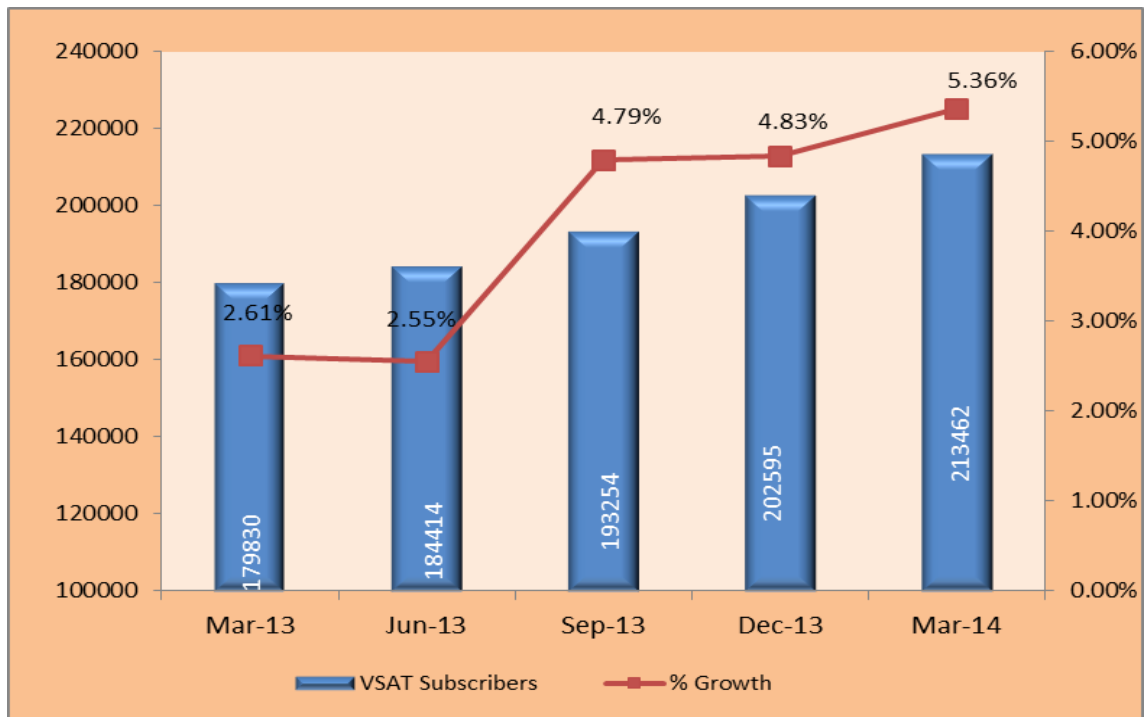
Sr. No	Name of Service Providers	Subscriber base at the Quarter ending		%age Growth	Market Share (%) Mar-14
		Dec-13	Mar-14		
1	Hughes Communications Ltd.	82634	89122	7.85	41.75
2	Bharti Airtel Limited,	51305	52522	2.37	24.60
3	Tatanet Services	30664	31940	4.16	14.96
4	HCL Comnet	21907	21734	-0.79	10.18
5	BSNL	13803	14930	8.16	6.99
7	Infotel Satcom	1756	1785	1.65	0.84
9	Infinium India Ltd.	7	911	12914.29	0.43
6	Essel Shyam	400	400	0.00	0.19
8	Bharti Broadband	119	118	-0.84	0.06
	Total	202595	213462	5.36	100.00

1.56 The total number of VSAT subscribers increased from 2,02,595 at the end of Dec-13 to 2,13,462 at the end of Mar-14. Net addition during the quarter has been 10,867 at the quarterly growth rate of 5.36%.

1.57 Hughes Communication Limited with subscriber base of 89,122 continues to be the market leader.

1.58 Infinium India Ltd has recorded maximum growth rate, whereas HCL Comnet and Bharti Broadband have registered negative growth in VSAT subscribers in this quarter.

Chart 1.24 : Number of VSAT Subscribers & Rate of Growth (%)



Chapter 2 :

Revenue and Usage

-
- For all the parameters, Metros indicate data for Delhi, Mumbai & Kolkata. Data for Chennai service area has been included in Circle A, as part of TN.
 - ARPU arrived after adjusting interconnect usage charges and roaming settlement charges.
 - The data contained in the section A & B covers the licensees, who have been providing service during the entire period from 1st January, 2014 to 31st March, 2014 in the various service areas.

Section A: GSM Service

Table 2.1: Key Indicators - GSM Service

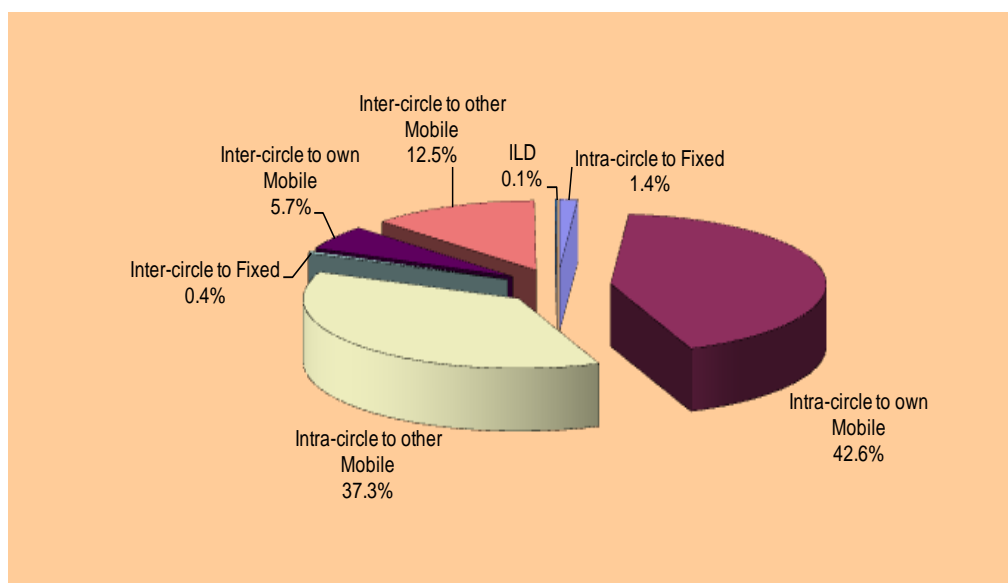
Parameter	Q.E. Mar-14	Q.E. Dec-13	Q.E. Mar-13	QoQ %age change over Dec-13	YoY %age change over Mar-13
Subscriber Base# (million)	846.72	823.23	793.69	2.85	6.68
Share of Prepaid (%)	95.92	95.99	96.34	-0.07	-0.43
Incoming MOU* per subscriber per month	201	195	197	2.90	1.63
Outgoing MOU* per subscriber per month	188	184	185	1.97	1.48
No. of Outgoing SMS per subscriber per month	27	28	30	-6.29	-10.57
Average Revenue Per User (ARPU) per month	113	112	105	1.34	8.04

The subscriber figures are as on the last day of the respective quarters

* Minutes of Usage

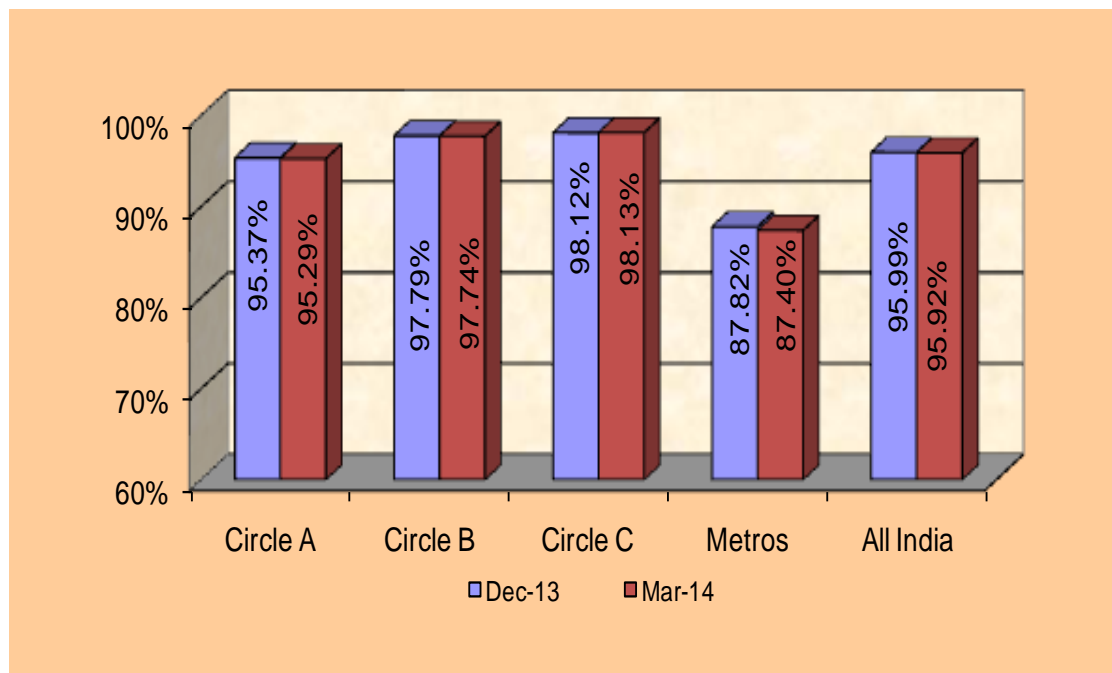
2.1 The following chart presents % break-up of outgoing minutes from Home Service Area (HSA) in the QE Mar-14.

Chart 2.1: Break-up of Outgoing minutes from Home Service Area (HSA) - GSM Service



2.2 The following chart depicts prepaid subscribers as a % of total subscribers as on the last day of the respective quarters for various categories of circles.

Chart 2.2: Proportion of prepaid subscribers - GSM Service



Note: Based on subscriber figures as on the last day of the quarter.

2.3 Market share of prepaid segment declined from 95.99% at the end of Dec-13 to 95.92% at the end of Mar-14.

2.4 The ARPU per month (all India, blended) increased from Rs.112 in Q.E. Dec-13 to Rs.113 in Q.E. Mar-14. The following table presents the ARPU per month for various categories of circles and various platforms for payment viz. post-paid and pre-paid.

Table 2.2: Monthly ARPU - GSM Service

Circle Category	ARPU per month in Q.E. March 2014 (in Rs)		
	Post-paid	Pre-paid	Blended
Circle A	451	105	121
Circle B	435	95	102
Circle C	429	100	106
Metros	474	98	145
All India	453	99	114
All private SPs	459	102	117
BSNL/MTNL	400	77	90

2.5 The ARPU per month for pre-paid segment increased from Rs.98 in QE Dec-13 to Rs.99 in QE Mar-14 and the ARPU per month for post-paid segment decreased from Rs.456 in QE Dec-13 to Rs.453 in QE Mar-14.

2.6 The following table presents the composition of ARPU per month in the Q.E. Mar-14.

Table 2.3: Composition of ARPU per month - GSM Service

S. No.	Item	Revenue (excl. service tax) per subscriber per month (in Rs.)	% share of total revenue from subscribers
1	Usage from Home Service Area		
1.1.	Rental Revenue	18.75	14.9%
1.2.	Revenue from calls	72.67	57.7%
1.3.	Revenue from SMS	4.08	3.2%
1.4.	Revenue from data usage	16.19	12.9%
1.5.	Revenue from other VAS	4.83	3.8%
1.6.	Other revenue	2.11	1.7%
2	Usage outside Home Service Area		
2.1.	Revenue from outroamers	7.20	5.7%
3	Total revenue from subscribers (1+2)	125.84	100%
4	Net inter-operator settlement charges receivable *	-12.40	
5	Net Revenue (ARPU) per month(3+4)	113.44	

* includes Interconnect Usages Charges and roaming settlement charges

- 2.7 From the above table, it may be seen that the net inter-operator settlement charges payable (Rs.12.40) accounts for 9.85% of the total revenue from subscribers.
- 2.8 Revenue from data usage from home service area increased from Rs.14.96 per subscriber per month in the QE Dec-13 to Rs.16.19 in the QE Mar-14.
- 2.9 On an all India average, the overall minutes of usage (MOU) per subscriber per month increased from 379 in QE Dec-13 to 389 in QE Mar-14. The following table presents the total MOU (usage from, and outside, the home service area) per subscriber per month for various categories of circles.

Table 2.4: MOU per subscriber per month - GSM Service

Circle category	MOU per subscriber per month								
	Postpaid			Prepaid			Blended		
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU
Circle A	589	423	1011	171	174	344	190	185	375
Circle B	572	383	955	163	197	360	173	201	374
Circle C	518	396	914	184	239	423	190	242	432
Metro	533	359	892	199	173	372	241	196	437
All India	564	393	957	172	193	365	188	201	389

Note: MOU indicates total usage i.e. usage from and outside HSA

- 2.10 The overall ratio of incoming MOU and outgoing MOUs for the QE Mar-14 is 52:48 as against 51:49 for the previous quarter.

2.11 No. of outgoing SMS per subscriber per month decreased from 28 in Q.E. Dec-13 to 27 in Q.E. Mar-14. The following table presents the outgoing SMS usage (usage from, and outside, the home service area) per subscriber per month for various categories of circles and various platforms for payment viz. post-paid and pre-paid.

Table 2.5: No. of Outgoing SMS per subscriber per month - GSM Service

Circle category	Outgoing SMS per subscriber month		
	Postpaid	Prepaid	Blended
Circle A	66	36	37
Circle B	58	18	19
Circle C	46	17	17
Metro	61	27	31
All India	61	25	27

Note: No. of Outgoing SMS indicate total usage i.e. usage from and outside HSA

Chart 2.3 : Minutes of Usage by Out-roamers as a % of Total Minutes of Usage

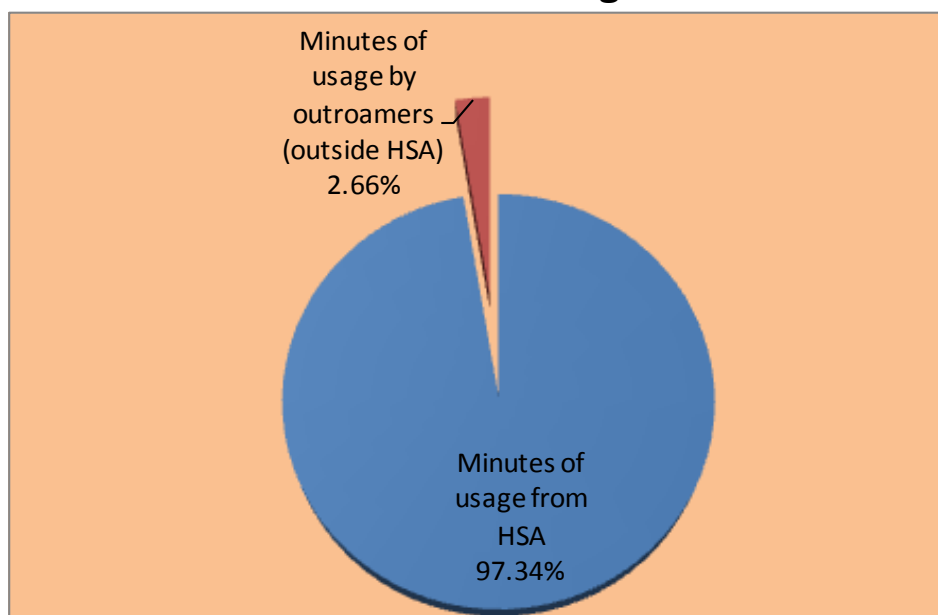
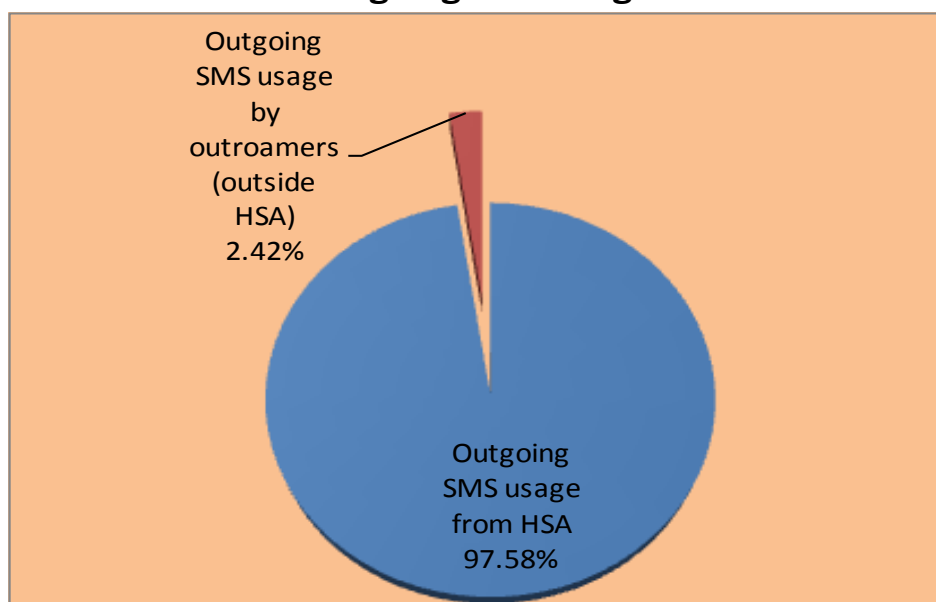


Chart 2.4: Outgoing SMS Usage by Out-roamers as a % of Total No. of Outgoing SMS Usage



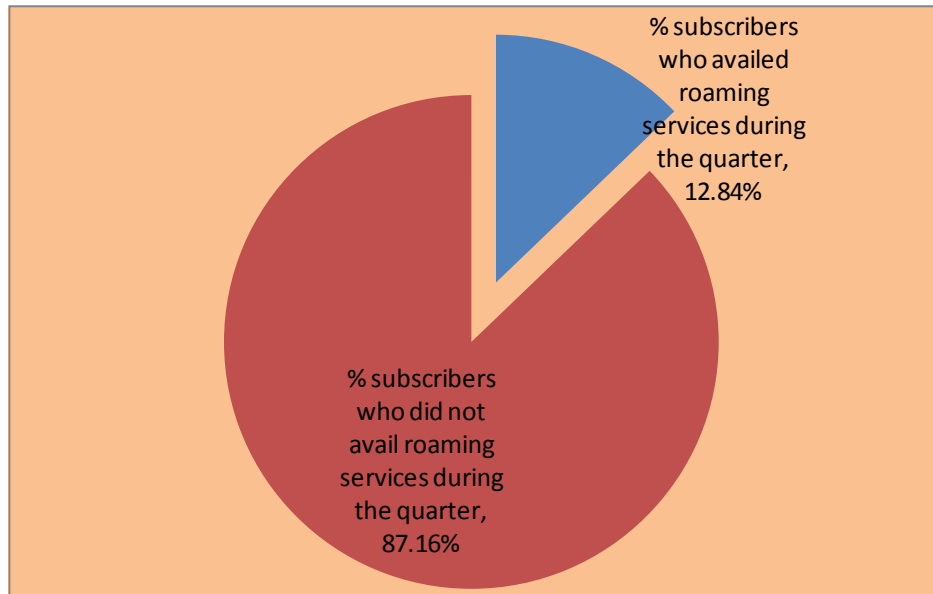
2.12 The following table presents the percentage break-up of outgoing minutes of usage from home service area between various categories of termination networks.

Table 2.6: %Break-up of Outgoing minutes from Home Service Area (HSA)

Circle Category	% Intra-circle to wireline	% Intra-circle to own wireless	% Intra-circle to other wireless	% Inter-circle to wireline	% Inter-circle to own wireless	% Inter-circle to other wireless	% ILD
Circle A	1.56	39.75	41.82	0.34	4.69	11.70	0.14
Circle B	1.00	46.69	36.49	0.40	5.10	10.19	0.12
Circle C	1.11	53.07	31.11	0.65	4.83	9.18	0.05
Metros	2.10	25.68	33.25	0.68	11.42	26.55	0.32
All India	1.35	42.60	37.26	0.45	5.66	12.54	0.14

2.13 The chart given below presents the percentage of subscribers who availed roaming services (out-roamers) during the quarter ending Mar-14.

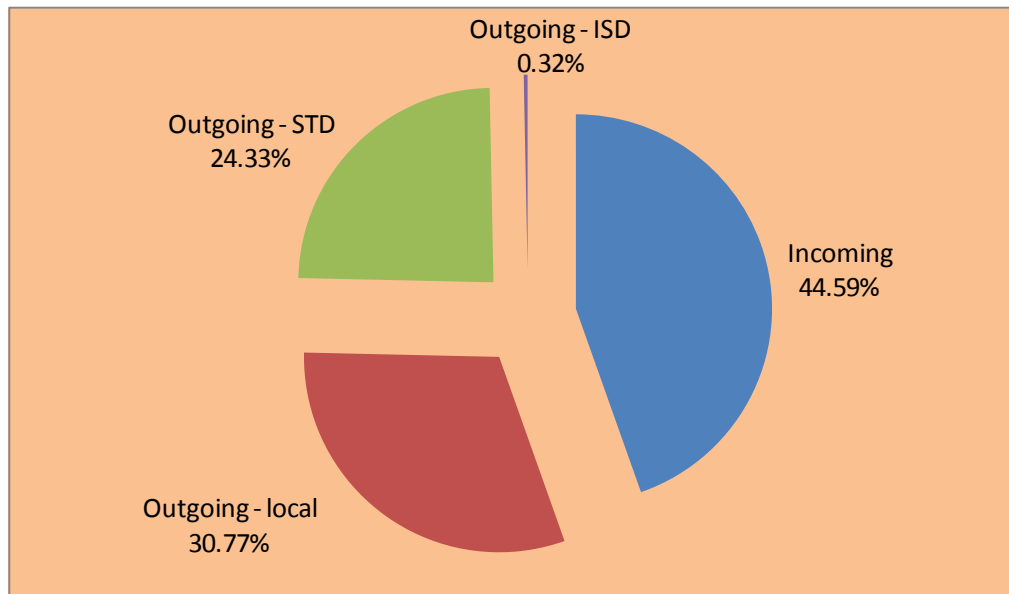
Chart 2.5: % subscribers who availed roaming services during the quarter



2.14 The usage pattern of out-roamers i.e. usage from outside the home service area shows that incoming minutes accounts for 44.6% of the total minutes of usage by out-roamers as against 43.4% in the previous quarter.

2.15 The chart given below presents the break-up of minutes of usage of out-roamers during the Q.E. Mar-14.

Chart 2.6: % Break-up of minutes of usage of outroamers (usage from outside the Home Service Area)



Average Subscriber outgo* per Outgoing Minute for usage from Home Service Area (HSA)

2.16 The tariff plans are of bundled nature and the trade-off is generally between monthly fixed charges and variable (call) charges. Therefore, average subscriber outgo per outgoing minute for usage from Home Service Area (HSA) as defined below would be a realistic indicator of average tariff.

Average Subscriber Outgo per Outgoing Minute for usage from HSA

$$= \frac{\text{Rental revenue} + \text{revenue from outgoing calls from HSA}}{\text{No. of outgoing minutes from HSA}}$$

Table 2.7: Average subscriber outgo per outgoing minute from HSA - GSM Service

(₹ per minute)

Circle Category	Postpaid	Prepaid	Blended
Circle A	0.55	0.52	0.53
Circle B	0.56	0.47	0.48
Circle C	0.63	0.45	0.46
Metros	0.64	0.52	0.56
All India	0.59	0.49	0.50

2.17 All India average subscriber outgo per outgoing minute decreased from ₹ 0.51 in the QE Dec-13 to ₹ 0.50 in the QE Mar-14.

Table 2.8: Trends of Key Parameters - GSM Service

Parameter	Mar-13	Jun-13	Sep-13	Dec-13	Mar-14
1. ARPU (₹ Per month)	105	111	109	112	113
2. MOU per subscriber per month	383	388	375	379	389
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	150	154	145	147	151
3.2 NLD (inter-circle)	35	35	37	37	37
3.3 ILD	0.3	0.3	0.3	0.3	0.3
4. No. of Outgoing SMS per subscriber per month	30	27	29	28	27
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.48	0.50	0.51	0.51	0.50

2.18 Service Area wise statistics are available at Annexure-2.1.

Section B: CDMA - Full Mobility Service

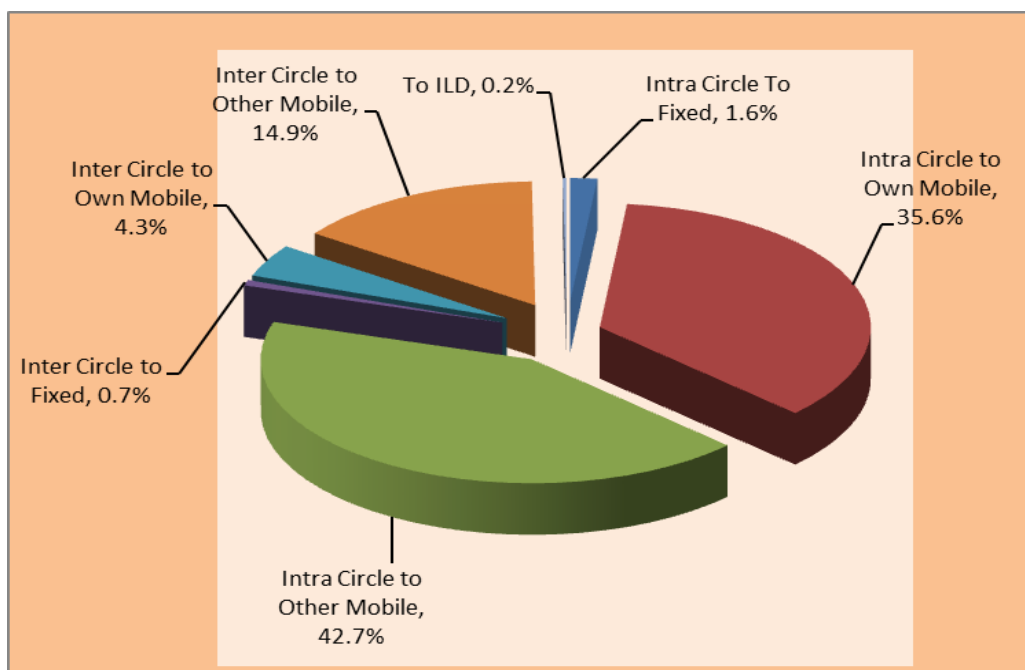
Table 2.9: Key Indicators - CDMA Full Mobility Service

Parameters	QE Mar-2014	QE Dec-2013	QE Mar-2013	QoQ change (%)	YoY change (%)
Subscriber Base in Millions*	46.34	50.69	61.46	-8.58	-24.61
Share of Prepaid (%)	89.82	89.87	90.70	-0.06	-1.30
Incoming MOUs per subscriber per month	133	130	134	2.12	-1.01
Outgoing MOUs per subscriber per month	142	141	141	0.78	1.35
No. of Outgoing SMS per subscriber per month	17	17	18	-2.45	-7.63
ARPU (Rs. per month)	105	104	95	1.33	10.22

** The subscriber figures are as on last day of the quarter.*

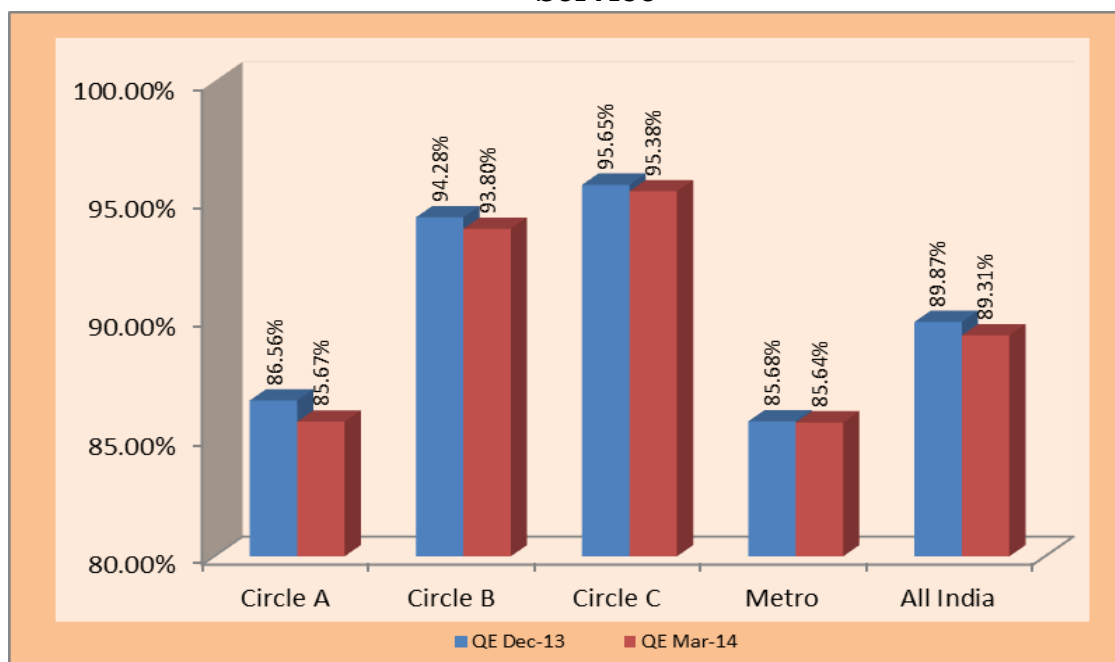
2.19 The following chart depicts % break-up of outgoing minutes from home service area (HSA).

Chart 2.7: % Break-up of Outgoing Minutes from Home Service Area (HSA) - CDMA Full Mobility Service



2.20 The following chart depicts prepaid subscribers as a % of total subscribers as on the last day of the respective quarters for various categories of circles.

Chart 2.8: Proportion of prepaid subscribers - CDMA Full Mobility Service



2.21 Market share of Prepaid segment declined from 89.87% in QE Dec-13 to 89.31% in QE Mar-14.

2.22 The following table presents the ARPU per month for various categories of circles and various platforms for payment viz. postpaid and prepaid.

Table 2.10: Monthly ARPU - CDMA Full Mobility Service
(₹ per month)

Circle category	Postpaid	Prepaid	Blended ARPU
Circle A	466	75	128
Circle B	381	57	76
Circle C	445	60	77
Metro	476	68	127
All India	451	65	105

2.23 The All India blended Average Revenue Per User (ARPU) per month has shown an increase of 1.33% from Rs.103.60 in QE Dec-13 to Rs.104.98 in QE Mar-14.

2.24 ARPU for Prepaid service increased by 0.63% from Rs.64.97 in QE Dec-13 to Rs.65.38 in QE Mar-14. ARPU for Postpaid service has increased by 1.18% from Rs.446.20 in QE Dec-13 to Rs.451.48 in QE Mar-14.

Table 2.11: Composition of ARPU per month- CDMA Full Mobility Service

S. No.	Item	Revenue (excl. service tax) per subscriber per month (in Rs.)	% Share of total revenue from subscribers
1	Usage from Home Service Area		
1.1	Rental Revenue	21.79	18.99
1.2	Revenue from Calls	44.44	38.74
1.3	Revenue from SMS	1.71	1.49
1.4	Revenue from data usage	39.05	34.05
1.5	Revenue from other VAS	2.86	2.49
1.6	Other Revenue	2.05	1.79
2	Usage Outside Home Service Area		
2.1	Revenue from Out-roamers	2.80	2.45
3	Total Revenue from Subscribers (1+2)	114.70	100
4	Net inter-operator settlement charges receivable*	-9.72	
5	Net Revenue (ARPU) (3+4)	104.98	

* Includes Interconnect Usage Charges and roaming settlement charges

2.25 From the above table, it may be seen that the net inter-operator settlement charges payable (Rs.9.72) accounts for 8.47% of total revenue from subscribers.

2.26 The total MOUs per subscriber per month increased by 1.42%, from 271.60 in QE Dec-13 to 274.92 in QE Mar-14. The outgoing MOUs increased by 0.77% and incoming MOUs increased by 2.12% during this quarter.

2.27 Prepaid MOUs per subscriber per month increased by 2.15% and postpaid MOUs per subscriber per month decreased by 2.55% in this quarter.

2.28 No. of Outgoing SMS per subscriber per month has decreased by 2.45%, from 17.04 in Dec-13 to 16.63 QE Mar-14.

Table 2.12 : MOU per subscriber per month – CDMA Full Mobility Service

MOU per subscriber per month									
Circle category	Postpaid			Prepaid			Blended		
	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU	Outgoing MOU	Incoming MOU	Total MOU
Circle A	280	141	422	118	122	240	140	124	265
Circle B	369	182	550	130	141	271	144	143	287
Circle C	449	348	796	102	159	261	117	167	284
Metro	279	133	412	129	116	245	151	118	269
All India	304	154	458	124	131	255	142	133	275

Note: MOU indicate total usage i.e. usage from and outside HSA

Table 2.13 : No. of Outgoing SMS per subscriber per month – CDMA Full Mobility Service

Circle category	No. of Outgoing SMS per subscriber month		
	Postpaid	Prepaid	Blended
Circle A	13	19	19
Circle B	13	15	15
Circle C	13	10	10
Metro	16	20	19
All India	14	17	17

Note: SMS indicate total usage i.e. usage from and outside HSA

Chart 2.9: Minutes of usage by out-roamers as a percentage of total usage

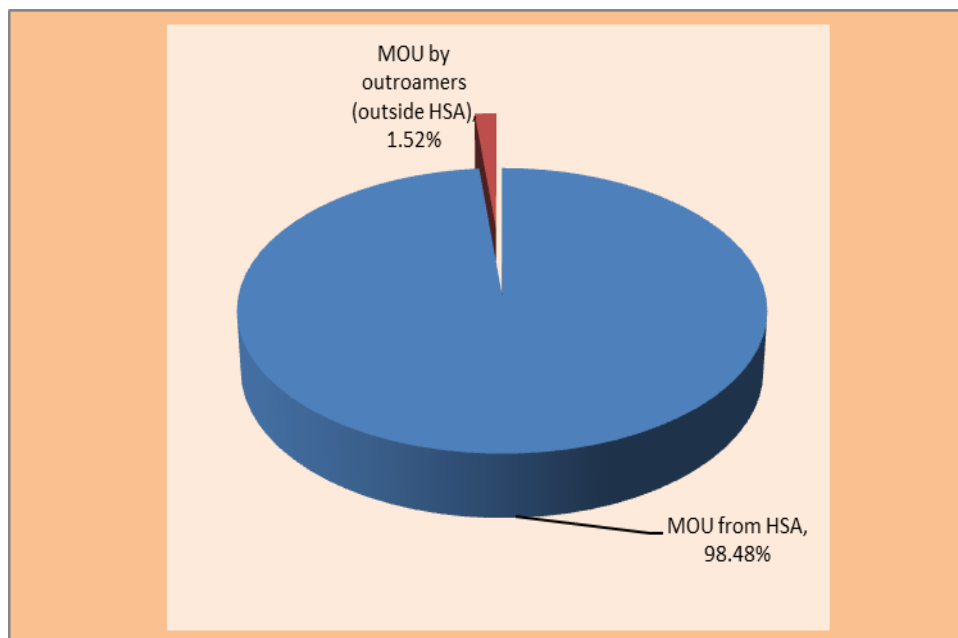


Chart 2.10: Outgoing SMS usage by out-roamers as a percentage of total usage

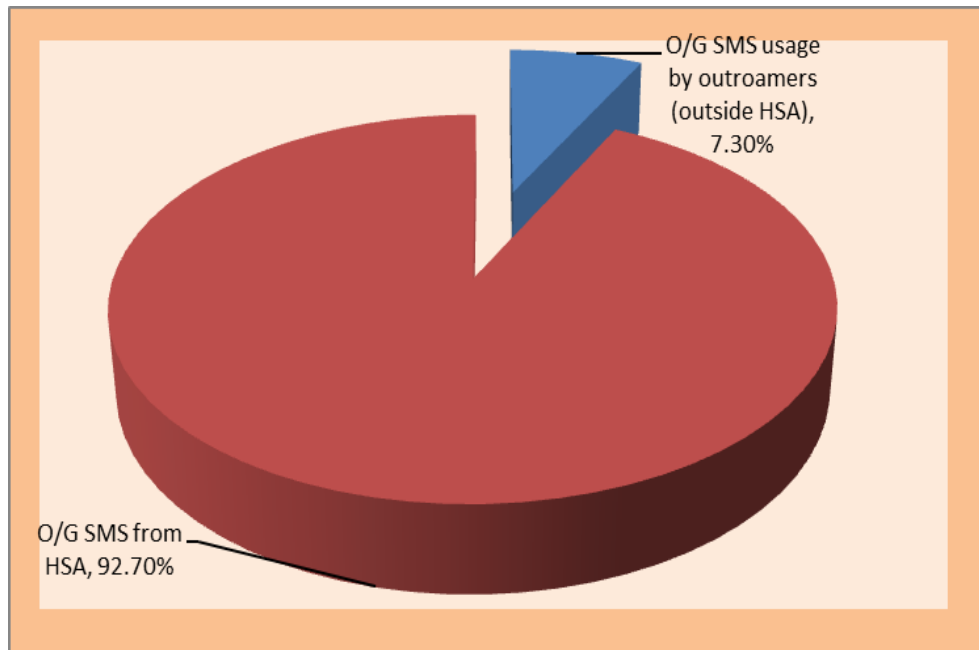


Table 2.14: %Break-up of Outgoing minutes from Home Service Area (HSA) - CDMA Full Mobility Service

Circle	Intra Circle To Wireline (%)	Intra Circle to Own Wireless(%)	Intra Circle to Other Wireless(%)	Inter Circle to Wireline (%)	Inter Circle to Own Wireless(%)	Inter Circle to Other Wireless(%)	ILD (%)
Circle A	2.1	30.9	54.2	0.8	2.9	8.8	0.4
Circle B	0.9	42.9	42.0	0.6	3.9	9.6	0.1
Circle C	1.7	43.2	27.5	1.5	5.2	20.8	0.03
Metro	2.0	29.1	35.2	0.6	5.9	27.0	0.2
All India	1.6	35.6	42.7	0.7	4.3	14.9	0.20

2.29 The chart given below presents the percentage of subscribers who availed roaming services (out-roamers) during the quarter.

Chart 2.11: Percentage of subscribers who availed roaming service during the quarter

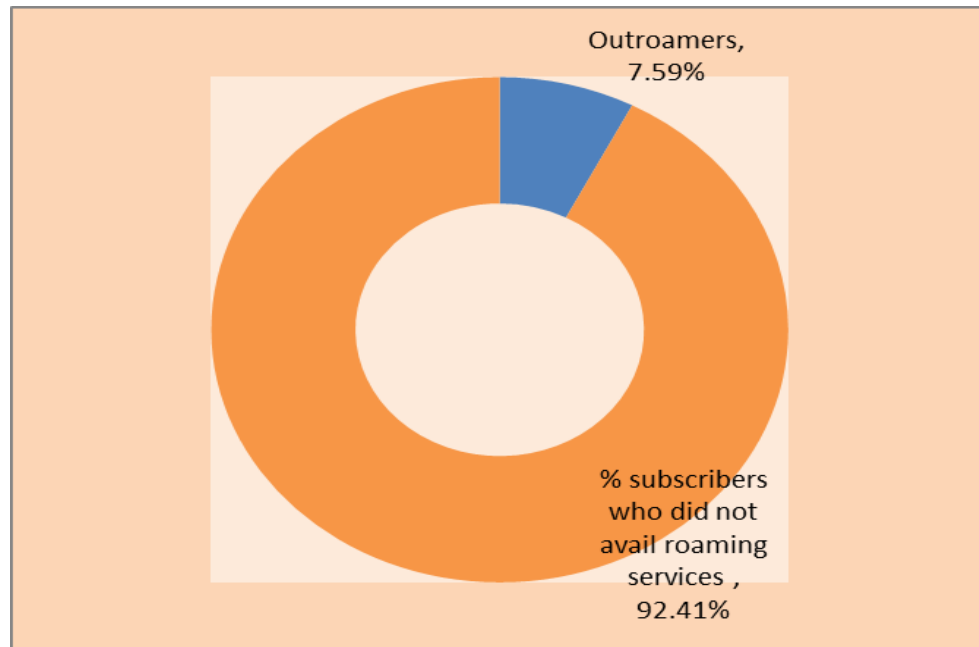


Chart 2.12: Percentage breakup of minutes of usage of Out-roamers (usage from outside the Home Service Area)

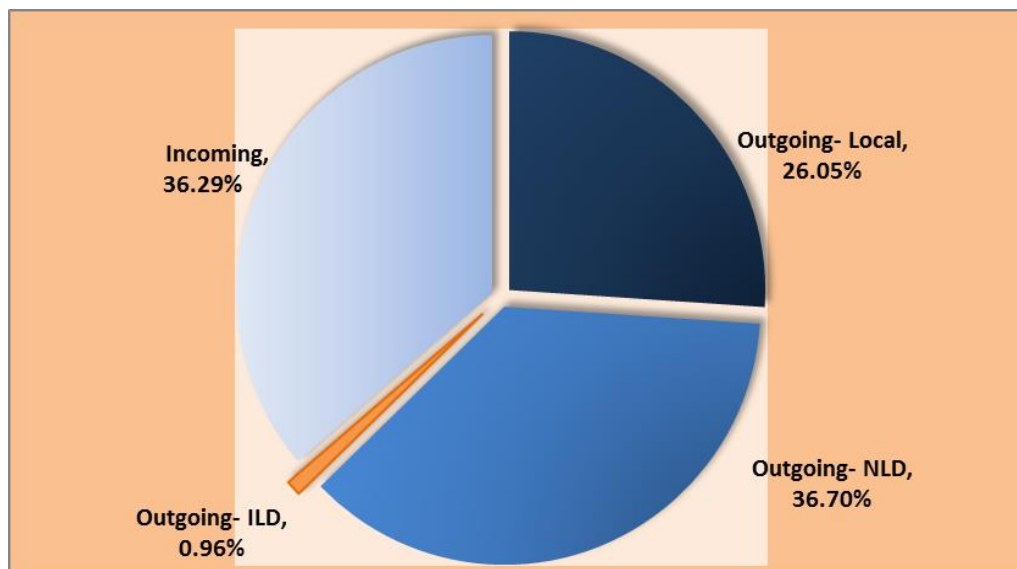


Table 2.15: Average subscriber outgo per outgoing minute from HSA - CDMA Full Mobility Service

Circle Category	[₹ Per min]		
	Postpaid	Prepaid	Blended
Circle A	0.83	0.39	0.51
Circle B	0.66	0.32	0.37
Circle C	0.77	0.48	0.52
Metros	0.88	0.44	0.56
All India	0.80	0.38	0.47

Average Subscriber Outgo per Outgoing Minute for usage from HSA
 = $\frac{\text{Rental revenue} + \text{revenue from outgoing calls from HSA}}{\text{No. of outgoing minutes from HSA}}$

Table 2.16: Trends of Key Parameters - CDMA Full Mobility Service

Parameter	Mar-13	Jun-13	Sep-13	Dec-13	Mar-14
1. ARPU (₹ Per month)	95	98	98	104	105
2. MOU per subscriber per month	275	278	262	272	275
3. Outgoing MOU per subscriber per month					
3.1 Local (Intra-circle)	114	117	108	112	112
3.2 NLD (inter-circle)	26	26	26	26	28
3.3 ILD	0.23	0.24	0.24	0.25	0.28
4. Outgoing SMS per subscriber per month SMS	18	17	17	17	17
5. Average subscriber Outgo per outgoing minute from HSA (₹)	0.49	0.42	0.48	0.48	0.47

2.30 Service Area wise statistics are available at Annexure-2.2.

Chapter 3 :

Financial Data of

Telecom Service

Sector

Table 3.1: Gross Revenue (GR), Adjusted Gross Revenue (AGR), License Fee (LF) & Spectrum Charges

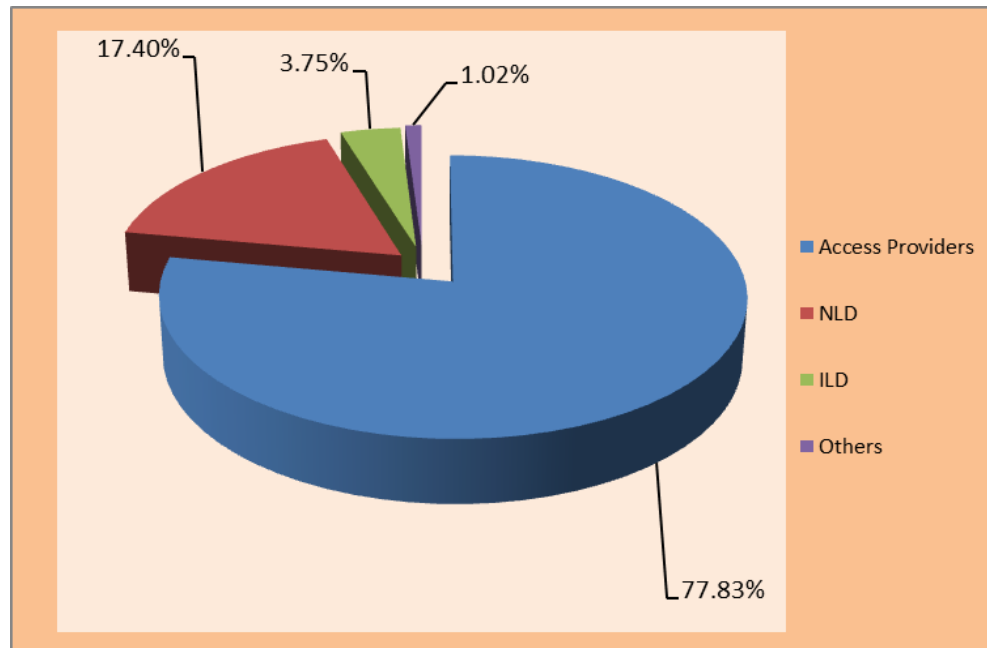
Particulars	QE Mar-13 (₹ in Crore)	QE Dec-13 (₹ in Crore)	QE Mar-14 (₹ in Crore)	Q-O-Q % Change Over Dec-13	Y-O-Y % Change over Mar-13
Gross Revenue (GR)	54284	58385	60716	3.99	11.85
Adjusted Gross Revenue (AGR)	35280	39575	41016	3.64	16.26
Pass Through (GR-AGR)	19004	18810	19700	4.73	3.66
License Fee	2861	3168	3286	3.72	14.86
Spectrum Usage Charges	1341	1585	1583	-0.09	18.09

- 3.1 Gross Revenue(GR) and Adjusted Gross Revenue(AGR) increased by 3.99% and 3.64% respectively in the QE Mar-14.
- 3.2 Pass through increased by 4.73% in the QE Mar-14, and on annual basis it has increased by 3.66%.
- 3.3 Pass-through charges as % Gross Revenue: 32.45% in QE Mar-14 as against 32.22% in the previous quarter.

Table 3.2: Service-wise Gross Revenue, Adjusted Gross Revenue, License Fee and Spectrum Charges

Service	GR	AGR	LF	Spectrum Charges
Access Providers	45245	31922	2557	1580
NLD	9171	7135	571	-
ILD	3546	1538	124	-
Others	2754	420	34	3
Total	60716	41016	3286	1583

Chart 3.1: Composition of Adjusted Gross Revenue



3.4 Access services contributed 77.83% to the total Adjusted Gross Revenue (AGR) of telecom services. In Access services, Gross Revenue, Adjusted Gross Revenue (AGR), License Fee and Pass Through Charges increased by 3.26%, 1.64%, 1.72% and 7.35% respectively, whereas Spectrum Usage Charges decreased by 0.10% in QE Mar-14.

3.5 Public Sector Undertakings' share in the Access AGR of telecom services is 12.72% in the QE Mar-14.

3.6 Monthly ARPU based on AGR for Access services decreased from ₹116 for Q.E. Dec-13 to ₹115 for Q.E. Mar-14. Chart below shows the trend in ARPU.

Chart 3.2: Trend in ARPU per month for Access Services



Table 3.3: Access Services - Service Provider wise Adjusted Gross Revenue

(₹ in Crore)

Service	QE Mar-14	QE Dec-13	% Change
Bharti	9174.97	9009.60	1.84%
Vodafone	6886.81	6609.90	4.19%
Idea	5080.42	4857.83	4.58%
BSNL	3387.07	3279.38	3.28%
Tata	2010.85	2291.72	-12.26%
Reliance	2034.65	2208.66	-7.88%
Aircel	1699.80	1635.18	3.95%
MTNL	672.05	601.67	11.70%
Telewings	604.18	555.41	8.78%
Sistema Shyam	200.97	212.19	-5.29%
Loop	89.42	97.10	-7.91%
Quadrant	24.15	25.96	-6.99%
Videocon	57.05	21.93	160.15%
Grand Total (Access)	31922.39	31406.53	1.64%

Table 3.4: Category-wise share in Access Services Adjusted Gross Revenue (AGR)

Category	Access AGR for QE Mar-14 (₹ in Crore)	%age share of AGR
Metro	4826	15.12
A	12277	38.46
B	10914	34.19
C	3905	12.23
Total	31407	100.0

Notes :

1. *Source: Figures are un-audited and as submitted by the Operators.*
2. *The figures have been regrouped wherever considered necessary for analysis purpose.*
3. *The Spectrum usage charges (mostly) are now reported on “Payment for the current Quarter” basis. However, some operators are reporting on payment basis or on estimate basis on projected AGR for next quarter.*
4. *Metro area includes Delhi, Mumbai and Kolkata only. Chennai is clubbed with Tamilnadu.*

Chapter 4 : Quality of Service (QoS)

Section A: Quality of Service Performance of Wireless Service Providers

Part-I : 2G Wireless Services

Table 4.1: QoS Summary - 2G Wireless Service

Sl. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Quarter Ending December, 2013		Quarter Ending March, 2014	
			Out Of 183 (Nos.)	Out of 183 (%)	Out Of 183 (Nos.)	Out of 183 (%)
I.	Network Related Parameters					
1	Network Availability					
(i)	BTSS Accumulated downtime (not available for service)	≤ 2%	4	2.19%	5	2.73%
(ii)	Worst affected BTSS due to downtime	≤ 2%	8	4.37%	8	4.37%
2	Connection Establishment (Accessibility)					
(i)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	1	0.55%	2	1.09%
(ii)	SDCCH/ Paging Chl. Congestion	≤ 1%	1	0.55%	1	0.55%
(iii)	TCH Congestion	≤ 2%	1	0.55%	2	1.09%
3	Connection Maintenance (Retain ability)					
(i)	Call Drop Rate	≤ 2%	2	1.09%	3	1.64%
(ii)	Worst affected cells having more than 3% TCH drop (call drop) rate	≤ 3%	10	5.46%	11	6.01%
(iii)	Connection with good voice quality	≥ 95%	4	2.19%	10	5.46%
4	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	≤ 0.5%	1	0.55%	1	0.55%

S. No.	Parameters	Benchmark	No. of CMTS Licensees not Meeting the Benchmarks			
			Quarter Ending, December, 2013		Quarter Ending, March, 2014	
			Out Of 183 (Nos.)	Out Of 183 (%)	Out Of 183 (Nos.)	Out Of 183 (%)
II.	Customer Service Quality Parameters					
5	Metering and Billing					
(i)	Metering and billing credibility - post paid	≤ 0.1%	4	2.19%	5	2.73%
(ii)	Metering and billing credibility - pre paid	≤ 0.1%	3	1.64%	5	2.73%
(iii)	Resolution of billing/charging/validity complaints	100% within 4 weeks	4	2.19%	2	1.09%
(iv)	Period of applying credit/waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	5	2.73%	3	1.64%
6	Response time to the customer for assistance					
(i)	Accessibility of call centre/ customer care	≥ 95%	15	8.20%	14	7.65%
(ii)	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	41	22.40%	51	27.87%
7	Termination / closure of service					
(i)	%age requests for Termination / Closure of service complied within 7 days	100% within 7 days	5	2.73%	6	3.28%
(ii)	Time taken for refund of deposits after closures	100% within 60 days	5	2.73%	9	4.92%

4.1 The performance has improved in this quarter as compared to the previous quarter in respect of the following parameters :-

- a. Resolution of billing/ charging/ validity complaints.
- b. Period of applying credit/waiver/adjustment to customer's account from the date of resolution of complaints
- c. Accessibility of call centre/ customer care

4.2 The performance has deteriorated in this quarter as compared to the previous quarter in respect of the following parameters:-

- a. BTSs Accumulated downtime (not available for service)
- b. Call Set-up Success Rate (within licensee's own network)
- c. TCH Congestion
- d. Call Drop Rate
- e. Worst affected cells having more than 3% TCH drop (call drop) rate
- f. Connection with good voice quality
- g. Metering and billing credibility - post paid
- h. Metering and billing credibility - pre paid
- i. %age of calls answered by the operators (voice to voice) within 60 sec
- j. %age requests for Termination / Closure of service complied within 7 days.
- k. Time taken for refund of deposits after closures.

**Table 4.2: Parameter wise Analysis of Non-compliance of QoS
Benchmarks for 2G Wireless Service Providers**

Parameter	Benchmark	Service Provider	Service Area	Performance
BTSs Accumulated downtime (not available for service) (%age)	$\leq 2\%$	Aircel	NE	2.97
		BSNL	ASM	2.84
			BH	3.50
			NE	5.52
			WB	2.33
Worst affected BTSs due to downtime (%age)	$\leq 2\%$	Aircel	ASM	11.54
			BH	10.24
			J&K	3.60
			NE	21.39
		BSNL	ASM	6.02
			BH	7.70
			NE	17.05
			WB	12.13
Call Set-up Success Rate (within licensee's own network)	$\geq 95\%$	Aircel	NE	94.08
		BSNL	NE	94.67
SDCCH/ Paging Chl. Congestion (%age)	$\leq 1\%$	BSNL	NE	3.55
TCH Congestion (%age)	$\leq 2\%$	Aircel	ASM	2.07
		BSNL	NE	4.53
Call Drop Rate (%age)	$\leq 2\%$	BSNL	ASM	2.12
			BH	2.14
			NE	4.50
Worst affected cells having more than 3% TCH drop	$\leq 3\%$	Aircel	ASM	4.75
			BH	4.63
			HR	17.46
			KR	8.78
			KTK	3.29
			MP	10.85

Worst affected cells having more than 3% TCH drop	$\leq 3\%$	BSNL	NE	20.93
			ASM	5.96
			BH	5.65
			NE	10.40
			PB	9.93
Connection with good voice quality	$\geq 95\%$	Aircel	ASM	92.84
			BH	94.80
			HP	94.96
			NE	92.52
		BSNL	ASM	90.47
			KOL	66.50
			NE	93.68
		Uninor	BH	93.87
			UPE	93.12
UPW	94.65			
Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark)	$\leq 0.5\%$	BSNL	HR	1.67
Metering and billing credibility - post paid	$\leq 0.1\%$	Airtel	HR	0.16
		Idea	AP	0.29
			KOL	0.17
		MTNL CDMA	MUM	NR
		Vodafone	GUJ	0.11
Metering and billing credibility - pre paid	$\leq 0.1\%$	Aircel	KOL	0.26
			WB	0.31
		BSNL	KOL	NR
			WB	0.54
		MTNL CDMA	MUM	NR
Resolution of billing/charging/validity complaints	100% within 4 weeks	Aircel	KOL	99.99
		MTNL CDMA	MUM	NR
Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	within 1 week of resolution of complaint	BSNL	PB	NR
		MTNL CDMA	MUM	NR
		Vodafone	MH	99.66

Accessibility of call centre/ customer care	≥ 95%	Aircel	ASM	75.52
			BH	72.79
			CHN	94.57
			J&K	94.75
			KTK	92.53
			MH	82.12
		Aircel	OR	89.46
			RAJ	93.34
			UPE	73.94
			UPW	82.87
			WB	90.61
		BSNL	ASM	75.00
			KOL	84.00
MTNL CDMA	MUM	NR		
Percentage of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	Aircel	AP	86.03
			ASM	77.17
			DLI	72.69
			KOL	77.11
			KTK	88.84
			MH	76.25
			MBI	89.68
			RAJ	85.83
			WB	86.49
		Airtel	BH	74.00
			OR	89.00
		BSNL	CHN	88.20
			HP	18.30
			HR	25.00
			J&K	7.00
			KOL	72.00
			MH	73.70
PB	14.00			
TN	82.00			

Percentage of calls answered by the operators (voice to voice) within 60 seconds	$\geq 90\%$		UPW	43.00
			WB	55.50
		MTS	KTK	81.96
		MTNL CDMA	MUM	NR
		RCOM CDMA	AP	52.69
			BH	70.52
			CHN	86.11
			DLI	89.11
			GUJ	83.87
			KOL	70.48
			KR	87.27
			KTK	69.71
			MH	75.70
			MP	89.88
			MBI	85.34
			TN	86.11
			UPE	89.18
		WB	70.48	
		RCOM GSM	AP	35.79
			DLI	87.39
			GUJ	76.63
			KR	78.22
			KTK	35.96
			MH	79.85
			MBI	72.71
			PB	89.31
			TN	45.33
		RTL	ASM	85.08
			HP	74.38
NE	86.20			
OR	88.78			
TATA GSM	HR	88.14		
	Airtel	GUJ	99.89	

%age requests for Termination / Closure of service	100% within 7 days		KTK	99.99
		BSNL	WB	91.26
%age requests for Termination / Closure of service	100% within 7 days	Idea	AP	99.92
			GUJ	98.50
		MTNL CDMA	MUM	NR
Time taken for refund of deposits after closures	100% within 60 days	BSNL	ASM	51.00
		Idea	DLI	98.55
			GUJ	94.22
			KOL	44.59
			KL	98.48
			UP(E)	83.01
			WB	78.18
		MTNL CDMA	MUM	NR
Vodafone	GUJ	99.00		

4.3 The detailed table on Service Provider wise performance of QoS parameters for Wireless 2G Services is available at Annexure-4.1.

Part-II : 3G Wireless Services

4.4 The summary of performance of 3G service providers (excluding BSNL) who have not met the benchmarks in this quarter is given in below table.

Table 4.3: QoS Summary - 3G Wireless Service

S. No	Parameters		Bench mark	No. of CMTS Licensees not Meeting the Benchmarks			
				Q.E. Dec-13		Q.E. Mar-14	
				Out Of 93 (Nos.)	Out of 93 (in %)	Out Of 93 (Nos.)	Out of 93 (in %)
1	Network Availability	Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	1	1.08%	2	2.15%
		Worst affected Node-B's due to downtime (%age)	≤ 2%	4	4.30%	6	6.45%
2	Connection Establishment (Accessibility)	Call Set-up Success Rate (within licensee's own network)	≥ 95%	1	1.08%	1	1.08%
		SDCCH/Paging Channel and RRC Congestion (%age)	≤ 1%	3	3.23%	0	0
		TCH and Circuit Switched RAB Congestion (%age)	≤ 2%	1	1.08%	0	0
3	Connection Maintenance (Retainability)	Call Drop and Circuit Switched Voice Drop Rate: (%age)	≤ 2%	0	0	0	0
		Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	≤ 3%	11	11.83%	9	9.68%
		Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	≥ 95%	3	3.23%	1	1.08%
4	Point of Interconnection	Point of Interconnection (POI) Congestion	≤ 0.5%	1	1.08%	1	1.08%

4.5 The performance has improved in this quarter as compared to the previous quarter in respect of the following parameters :-

- a. SDCCH/ Paging Channel and RRC Congestion (%age)
- b. TCH and Circuit Switched RAB Congestion (%age)
- c. Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH
- d. Connection with good voice quality and Circuit Switch Voice Quality (CSV Quality)

4.6 The performance has deteriorated in this quarter as compared to the previous quarter in respect of the following parameters:-

- a. Node-B's Accumulated downtime (not available for service) (%age)
- b. Worst affected Node-B's due to downtime (%age)

Table 4.4: Parameter wise Analysis of Non-compliance of QoS Benchmarks for 3G Wireless Service Providers

Parameter	Benchmark	Service Provider	Service Area	Performance
Node-B's Accumulated downtime (not available for service) (%age)	≤ 2%	Aircel	NE	2.53
		BSNL	BH	5.10
Worst affected Node-B's due to downtime (%age)	≤ 2%	Aircel	ASM	5.10
			BH	2.97
			CHN	4.79
			JK	2.37
			NE	16.89
		BSNL	BH	3.93

Call Set-up Success Rate (within licensee's own network)	$\geq 95\%$	Aircel	CHN	94.97
Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:- CBBH	$\leq 3\%$	Aircel	ASM	9.84
			BH	9.55
			CHN	6.93
			JK	5.02
			NE	22.95
			OR	8.77
			PB	20.38
		TN	5.45	
		BSNL	BH	3.83
Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	$\geq 95\%$	BSNL	AS	90.43
Point of Interconnection (POI) Congestion	$\leq 0.5\%$	BSNL	HR	2.00

4.7 The details table on Service Area wise performance of QoS parameters for 3G Wireless Services is available at Annexure-4.2.

Section B: Quality of Service Performance of Wireline Service Providers

Table 4.5: QoS Summary - Wireline Service

S. No.	Parameters	Benchmark	No. of license operators not meeting the benchmarks			
			December, 2013		March, 2014	
			Out of 111 In Nos.	Out of 111 In %age	Out of 104 In Nos.	Out of 104 In %age
(i)	Fault incidences per 100 subs/month	≤ 5	1	0.90%	1	0.96%
(ii) a	% Fault repaired by next working day	≥ 90%	2	1.80%	1	0.96%
(ii) b	% Fault repaired within 3 days (for urban areas)	100%	9	8.11%	2	1.92%
(ii) c	% Fault repaired within 5 days (for rural & hilly areas)	100%	2	1.80%	0	0.00%
(iii)	MTTR	<8Hrs	0	0.00%	0	0.00%
(iv) a	Call Completion Rate (in local network)	≥ 55%	0	0.00%	0	0.00%
(iv) b	Answer to Seizure Ratio (ASR)	≥ 75 %	0	0.00%	0	0.00%
(v)	Point of Interconnection (POI) Congestion (No. of PoIs not meeting benchmark)	≤ 0.5%	0	0.00%	0	0.00%
(vi)	Metering & billing credibility □ Post-paid	≤ 0.1%	2	1.80%	2	1.92%
(vii)	Metering & billing credibility □ Pre-paid	≤ 0.1%	0	0.00%	0	0.00%
(viii)	Resolution of billing/charging/ Credit & validity complaints	100% within 4 weeks	0	0.00%	0	0.00%
(ix)	Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	Within 1 week of resolution of complaint	0	0.00%	0	0.00%
(x)	Response time to the customer for assistance	-	-	-	-	-
(x) a	Accessibility of call centre/ customer care	≥ 95%	1	0.90%	0	0.00%

(x) b	%age of calls answered by the operators (voice to voice) within 60 seconds	≥ 90%	18	16.22%	15	14.42%
(xi)	Termination / closure of service	100% within 7 days	1	0.90%	1	0.96%
(xii)	Time taken for refund of deposits after closures	100% within 60 days	0	0.00%	0	0.00%

NOTE : (1) As per “The Standards of Quality of Service of Basic Telephone Service (Wireline) and Cellular Mobile Teleohone Service Regulations, 2009 “, the service providers who cannot measure and report Call Completion Rate (CCR) due to constraint in network architecture may opt to measure and report their performance on Answer to Seizure Ratio (ASR). M/s RCOM have reported the ASR for 20 licensed service areas and M/s MTNL for 1 licensed service areas. Therefore, 82 (because out of 83 service providers 01 licensee i.e. M/s Tata Teleservices Ltd. has not reported CCR for W.B.) Licensees for CCR and 21 Licensees for ASR have been taken into account for the analysis of these parameters.

(2) Most of the SPs have not reported for the parameter “Metering and billing credibility - prepaid” because most of the service providers are not providing pre-paid service in Basic(Wireline) service.

(3) In HP, J&K, Kerala and WB circle, there are no subscribers in respect of M/s Vodafone India Ltd., hence basic telephone services (wire-line) in these 4 circles are not considered due to no service out of 23 reported circles for Basic Telephone Services (Wire –Line) for the QE Mar-14.

(4) M/s Tata Teleservices Ltd. are not providing basic telephone service (wire-line) in 03 circles out of 23 circles such as Assam, J&K and North East. Therefore, the same are not considered in PMR on QoS basic Telephone Service (wire-line) for QE Mar-14.

4.8 The performance has improved in this quarter as compared to the previous quarter in respect of the following parameters:-

- a. % Fault repaired by next working day
- b. % of fault repaired within 3 days
- c. % of faults repaired within 5 days (for rural & hilly areas)
- d. % of calls answered by the operators (voice to voice) within 60 sec

4.9 The performance has deteriorated in this quarter as compared to the previous quarter in respect of the following parameters:-

- a. Faults incidences (No. of faults/100 Subs./month)
- b. Point of Interconnection (POI) Congestion (No. of POIs not meeting benchmark)

- c. Metering and billing credibility - post paid ($\leq 0.1\%$)
- d. %age requests for Termination / Closure of service complied within 7 days

Table 4.6: Parameter wise Analysis of Non-compliance of QoS Benchmarks for Wireline Service Providers

Parameters and Benchmark	Service Providers	Service Area	Parameters not met
Faults incidences (No. of faults/100 Subs./month) Benchmark(≤ 5)	MTNL	DEL	7.84%
% of faults repaired by next working day Benchmark($\geq 90\%$)	MTNL	DEL	88.40%
% of faults repaired within 3 days Benchmark (For urban areas: 100%)	MTNL	DL	95.70%
		MUM	98.65%
% of faults repaired within 5 days Benchmark (For rural and hilly areas: 100%)	BSNL	KOL	0.00%
Metering and Billing credibility - post paid ($\leq 0.1\%$)	BSNL	A&N	1.22%
		Chattisgarh	0.37%
Percentage of calls answered by the operators (voice to voice) within 60 seconds (Benchmark$\geq 90\%$)	BSNL	BH	37%
		Chattisgarh	61%
		GUJ	87%
		J&K	65%
		KER	69%
		KOL	89%
		KTK	69%
		MH	85%
		PB	57%
		RAJ	21%
		TN	86%
		UPE	5%
		UPW	75%
		Uttaranchal	71%
WB	88%		
BH	37%		
%age requests for Termination / Closure of service complied within 7 days Benchmark (100%)	MTNL	MUM	97.16%

4.10 Detailed table containing QoS parameters for all the Wireline Service Providers is given in Annexure-4.3.

Section C : Quality of Service Performance of Broadband Service

4.11 Out of 149 Broadband Service providers, 31 Service Providers are having subscriber base >10,000 and these 31 Service providers share the 99.02% of total subscriber base. This report covers performance of 31 broadband Service Providers vis-à-vis the QoS benchmarks prescribed by TRAI, for the QE March, 2014.

Table 4.7 : Summary of Performance of Broadband Service Providers against identified parameters

S. No.	Parameters	Benchmark	No. of Licensees not Meeting the Benchmarks			
			Quarter Ending, Dec, 2013		Quarter Ending, March, 2014	
			Out of 87 (in Nos.)	Out of 87 (in %age)	Out of 107 (in Nos.)	Out of 107 (in %age)
1	Service Provisioning/ Activation Time	100% in =< 15 working days				
1.2	%age of connections provided within 15 days of registration of demand	100%	9	10.34%	10	11.36%
2	Faults Repair/ Restoration Time					
2.2	% of faults repaired by next working day	>90%	2	2.29%	5	5.68%
2.3	% of faults repaired within 3 working day	=>99%	7	8.04%	10	11.36%
2.4	No. of customers to whom rent rebate is given in minimum monthly charges or equivalent usage allowance for delay in fault repair		0	0	1	1.14%
3	Billing Performance					
3.3	%age of bills disputed	<2%	0	0	1	1.14%
3.4	%age of complaints resolved within 4 weeks	100% within 4 weeks	0	0	2	2.27%
3.5	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 days	1	1.14%	0	0.00%

S. No.	Parameters	Benchmark	No. of Licensees not Meeting the Benchmarks			
			Quarter Ending, Dec, 2013		Quarter Ending March, 2014	
			Out of 87 (in Nos.)	Out of 87 (in %age)	Out of 107 (in Nos.)	Out of 107 (in %age)
4	Response Time to the Customer for assistance					
4.2	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	2	2.29%	3	3.41%
4.3	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	4	4.59%	3	3.41%
5	Bandwidth utilisation/ throughput					
5.2	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)		0	0	0	0.00%
5.4	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)		3	3.44%	0	0.00%
5.7	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG)		0	0.00%	0	0.00%
5.8	Broadband Connection Speed available (download) from ISP node to user	>80%	0	0	1	1.14%
6	Service Availability/Uptime (for all users) in %age	>98% w.e.f. Q. E. Sept.07				0.00%
6.3	Service availability /uptime (for all users) in %age	>98%	2	2.29%	2	2.27%
7	Packet loss (for wired broadband access) in %age	<1%	1	1.14%	3	3.41%
8	Network latency (for wired broadband access)					
8.1	User reference point at POP/ ISP Gateway node to IGSP/ NIXI	<120 ms	0	0	2	2.27%
8.2	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350 ms	0	0	2	2.27%
8.3	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	0	0	0	0.00%

Table 4.8: Parameter-wise Analysis of non-compliance of QoS benchmarks for Broadband Service Providers

Sl. No.	Parameters	Benchmarks	Name of Service Provider not Meeting the Benchmark
1	Service Provisioning/ Activation Time %age of connections provided within 15 days of registration of demand	100% in =< 15 working days	MTNL - Delhi & Mumbai (95.58%) You Broadband - All India (94%), Maharashtra (96%), Gujarat (90.00%), Karnataka (99%), Tamilnadu (98%), Haryana (99%) and Andhra Pradesh (98.91%) Atria Convergence - All India (96.81%), Home System - Mumbai(99%)
2	Faults Repair /Restoration Time		
	% of faults repaired by next working day	>90%	MTNL - Delhi & Mumbai (88.18%), Beam Telecom - Hyderabad (85.51%), Hathway - Gujarat (85%), Atria - All India (74.00%), Tata (TCL) - Bihar & Jharkhand (83.00%)
	% of faults repaired within 3 working day	=>99%	MTNL -Delhi & Mumbai (96.23%), Beam Telecom - Hyderabad (98.20%), You Broadband -Karnataka (98%), Haryana (98%), Hathway - Gujarat (96%), Atria Convergence - All India (93.00%), Tata (TCL) - Karnataka (98%), Rajasthan (96.00%), Bihar & Jharkhand (83.00%)
	No. of customers to whom rent rebate is given in minimum monthly charges or equivalent usage allowance for delay in fault repair	In nos.	Asianet Satellite - Kerala (NR)
3	Billing Performance		
	%age of bills disputed	<2%	Five Network - All India (NR)
	%age of complaints resolved within 4 weeks	100%	Broadband Pacenet - Mumbai (NR), Mumbai-Pune (NR),
	%age of cases to whom refund of deposits is made within 60 days of closures	100% within 60 days	
4	Response Time to the Customer for assistance		
	%age of calls answered by operator (Voice to voice) within 60 sec	>60%	BSNL - All India (57.28%), Asianet Satellite - Kerala (NR), Syscon - Maharashtra (NR)
	%age of calls answered by operator (Voice to voice) within 90 sec	>80%	BSNL - All India (62.92%) Asianet Satellite - Kerala (NR), Syscon -Maharashtra (NR)

5	Bandwidth utilisation/throughput		
	No. of Intra network links having Bandwidth utilisation >90% during peak hours (TCBH)	0	
	No. of Upstream links for International connectivity having bandwidth utilisation >90% during peak hours (TCBH)	0	BSNL - All India (4 links),
	% International bandwidth utilization during peak hours (TCBH) (Enclose MRTG)	<90%	
	Broadband Connection Speed available (download) from ISP node to user	>80%	Rajesh Multichannel - Mumbai (NR)
6.	Service Availability/Uptime (for all users) in %age		
	Service availability /uptime (for all users) in %age	>98% w.e.f. Sep-07	Tata (TCL) - MP & Chattisgarh (97.68%), Honesty Net - Mumbai (97.00%),
7.	Packet Loss		
	Packet loss (for wired broadband access) in %age	Benchmark <1%	Broadband Pacenet - Mumbai (1.70%), Rajesh Multichannel - Mumbai (NR), Smartlink Broadband - Mumbai (NR)
8.	Network latency (for wired broadband access)		
	User reference point at POP/ISP Gateway node to IGSP/NIXI	<120 ms	Rajesh Multichannel - Mumbai (NR), Smartlink Broadband - Mumbai (NR)
	User reference point at ISP Gateway node to International nearest NAP port abroad (terrestrial)	<350 ms	Rajesh Multichannel - Mumbai (NR), Smartlink Broadband - Mumbai (NR)
	User reference point at ISP Gateway node to International nearest NAP port abroad (satellite)	<800 ms	

4.12 Detailed table containing QoS parameters for all the Broadband Service Providers is given in Annexure-4.4.

Chapter 5 :

Performance of Cable TV, DTH and Radio Broadcasting Services

Table 5.1: Key Parameters - Broadcasting & Cable Services

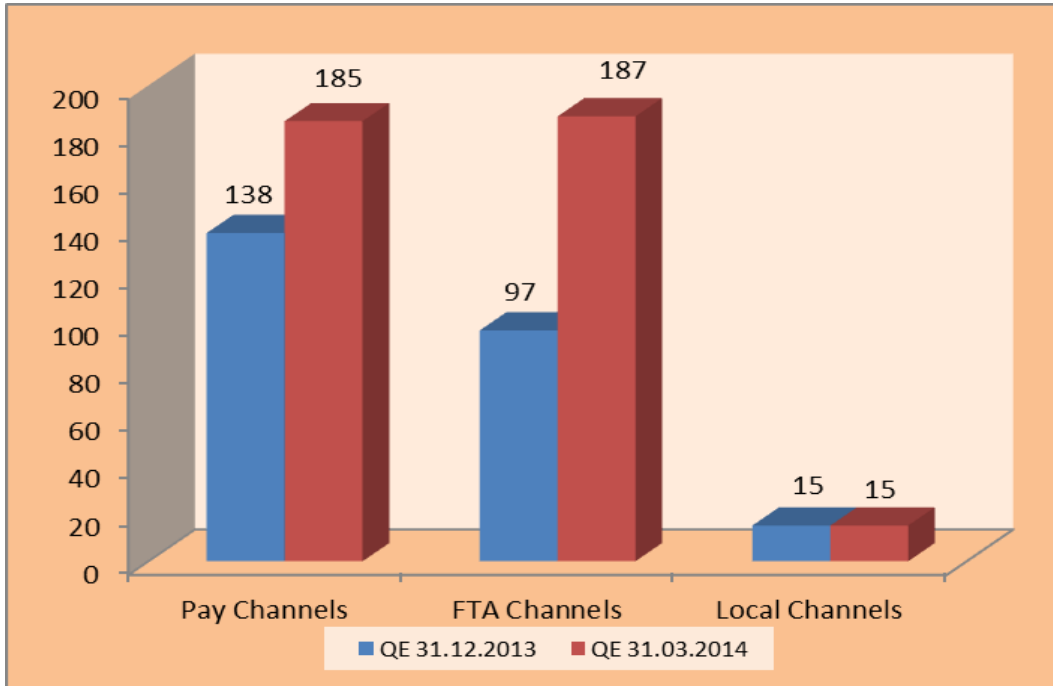
S.No	Parameter	QE Dec-13	QE Mar-14
1	Number of private satellite TV channels registered with Ministry of I&B	782	793
2	Maximum number of Pay TV Channels carried by certain cable operator in non-CAS areas	138	185
3	Maximum number of Free-to-Air (FTA) TV Channels carried by certain cable operator in non-CAS areas	97	187
4	Private FM Radio stations in operation	242	242
5	Private DTH Operators	6	6
6	Licensees of community radio stations	196	200
7	Operational community radio station	162	170

Cable TV Services

5.1 Chart 5.1 depicts the maximum number of Free-to-Air (FTA) channels, Pay channels and local channels being carried by the Multi System Operators (MSOs) in their network across the country. This is based on the reports received from some of the major service providers regarding the number of channels being carried by them in their networks analogue and/or in digital form. These channels have been reported across different networks of the service providers having different combinations of pay, FTA and Local channels in their network.

5.2 The maximum number of Free-to-Air (FTA) and Pay Channels reportedly being carried by any of the reporting MSO in their cable networks in Non CAS areas are 187 and 185 respectively in the quarter ending March 2014. However, these numbers relate to different networks and hence cannot be added for arriving at the maximum number of channels being carried in network.

Chart 5.1: Maximum number of TV Channels being carried by certain Cable operators in their networks



5.3 In Non CAS areas, maximum number of TV channels being carried by any reporting MSO is 387, whereas in conventional analogue form, the maximum number of channels being carried by any reporting MSO is 100.

5.4 The digitization of cable TV sector is in progress, in a phase manner. It is planned to be completed in four phases. The cut-off date for migration to Digital Addressable Cable TV Systems for the first phase, covering four metropolitan cities, was 31.10.2012 and second phase, covering 38 cities having population more than one million, was 30.06.2013. The cut-off date for third phase is 30.09.2014 and final phase is 31.12.2014.

Satellite TV Channels

5.5 The total number of permitted private satellite TV channels by Ministry of Information and Broadcasting (MIB), as obtained from the website of MIB, is 793 at the quarter ending March 2014.

5.6 There are a total of 187 pay channels, as reported by broadcasters for which the rates have been taken on record. The list of pay TV channels along with the reported rates for Non-CAS areas is at Annexure-5.1.

FM Radio Services

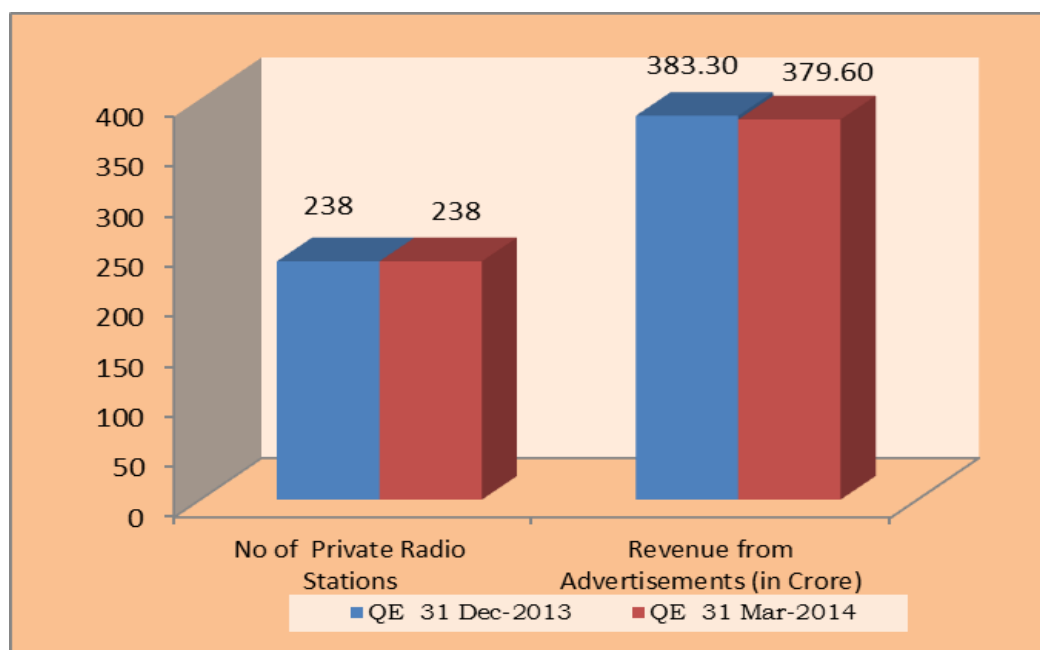
5.7 Apart from All India Radio of Prasar Bharti – a public broadcaster, there are 242 private FM Radio stations in operation at the quarter ending March 2014. A list of 242 private FM Radio Service stations along with their date of operationalization is at Annexure-5.2.

DTH Services

5.8 Apart from free DTH service of Doordarshan of Prasar Bharati – a public broadcaster, there are 6 private DTH Operators. All the 6 private DTH Operators are offering pay DTH services. Total number of registered and active subscribers, as reported to TRAI, being served by these 6 private DTH operators, as on 31.03.2014, are 64.82 million & 37.19 million respectively. The list of pay DTH Operators is available at Annexure-5.3.

5.9 The total Advertisement Revenue during the quarter ending December'13 in respect of 238 private FM Radio stations was Rs. 383.30 crores. For the quarter ending March 2014, the total Advertisement Revenue in respect of 238 private radio stations is Rs.379.60 crores. The reports have been prepared on the basis of the details of Advertisement Revenue submitted by the FM Radio service providers to TRAI. However, the details do not pertain to the same set of service providers / radio stations.

Chart 5.2 : Comparative position of Revenue from FM Radio Stations as reported to TRAI



Community Radio

5.10 As per data received from the Ministry of Information and Broadcasting, at the quarter ending December 2013, out of 196 licensees of community radio stations, 162 stations were in operation. 4(four) licenses were issued & 8 new stations were operationalized in the quarter ending March, 2014. Now, out of 200

licenses, 170 stations are in operation. The status of applications for community radio station licenses as received from the Ministry of Information and Broadcasting upto the end of March 2014.

Table 5.2 : Number of Applications received / Letters of Intent issued / Licenses Issued in respect of Community Radio Stations

	As on 31.03.2014
Total No. of Applications Received	1352
No of Letters of Intent Issued	461
No of Applications rejected	580
No of Licenses issued	200
No of stations operational	170

Source: Ministry of Information & Broadcasting

Teleport Service

5.11 As per the information available on the website of the Ministry of Information and Broadcasting, there are 90 numbers of permitted Teleports as on 20.03.2013. A list of the permitted Teleports is at Annexure-5.4.

Annexures

Annexure 1.1: Licensed Cellular (GSM & CDMA) Service Providers

Sl. No	Service Provider	Area for which licensed with No.	UASL/UL(AS)	CMTS
1	Bharti	All India (22)	All India except NE	North East
2	Aircel Group	All India (23)	All India except Chennai & TN	Chennai & Tamil Nadu
3	Reliance Communications Ltd	All India (except Assam & NE) (20)	All	
4	Reliance Telecom Ltd	Kolkata, MP, WB, HP, Bihar, OR, Assam & NE (8)	All	
5	Vodafone	All India (23)	All	
6	Tata Teleservices	All India except Assam, NE & J&K (19)	All	
7	IDEA	All India except KTK & Punjab (20)	Mumbai, TN incl. Chennai, Kol, WB, Bihar, OR, Assam, NE & J&K	Delhi, MH, Guj., AP, Kerala, Haryana, UP-W, UP-E, Raj., MP, HP
8	Shyam Telelink	Delhi, Kol, Guj, KTK, TN incl. Chennai, Kerala, UP-W, Raj, WB (9)	All	
9	BSNL	All India (except Delhi & Mumbai) 20		All
10	MTNL	Delhi, Mumbai (2)		All
11	Loop Telecom Private Ltd	Mumbai (1)		Mumbai
12	Telewings Communication Services Pvt Ltd	MH, Guj, AP, UP-W, UP-E, Bihar (6)	All	
13	Videocon Telecommunications. Ltd.	Guj, Har, UP-W, UP-E, MP, Bihar (6)	All	
14	Spice Communications	KTK, Punjab (2)	All	
15	Quadrant	Punjab (1)	Punjab	

Source: DoT and Service providers
UASLs/UL(AS) 145
CMTSs 37
Total 182

Annexure 1.2: Wireless Subscriber Base

Service Area	Vodafone (GSM)		Bharti (GSM)		Idea (GSM)		Aircel/Dishnet (GSM)		Reliance (GSM)		Reliance (CDMA)	
	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14
Andhra Pradesh	6,077,497	6,308,455	19,436,219	19,996,431	11,871,133	12,340,487	1,915,091	2,010,488	3,368,207	3,298,141	2,538,547	2,234,224
Assam	2,675,731	2,825,144	4,328,881	4,533,314	522,948	605,830	3,688,411	3,754,874	2,587,203	2,278,177		
Bihar	6,981,540	7,261,299	21,199,942	22,105,299	6,176,803	6,749,494	4,956,916	5,284,236	6,379,154	6,492,373	2,742,005	2,561,159
Delhi	9,027,906	9,186,316	9,905,645	10,196,185	5,286,966	5,552,984	3,616,425	3,837,083	4,730,797	4,637,066	3,201,908	3,039,921
Gujarat	17,013,839	17,224,139	7,214,153	7,403,781	8,921,842	9,328,695	30,773	28,563	5,143,415	4,869,552	1,568,019	1,328,060
Haryana	4,785,526	4,973,304	2,350,583	2,435,772	3,973,386	4,256,538	11,092	11,092	1,662,566	1,714,295	499,680	450,866
Himachal Pradesh	525,407	537,630	2,136,526	2,205,078	504,451	549,461	791,195	829,083	1,306,505	1,245,333	200,228	195,048
Jammu & Kashmir	722,504	768,205	2,568,145	2,650,148	286,557	358,893	2,083,022	2,119,328	691,528	770,622	54	47
Karnataka	7,105,202	7,217,081	16,906,063	17,156,115	6,554,392	6,761,110	2,339,135	2,539,899	4,494,243	4,266,696	1,839,144	1,411,425
Kerala	6,615,300	6,660,168	3,668,530	3,736,971	8,610,522	8,726,254	1,183	918	1,015,151	981,353	1,159,647	981,446
Madhya Pradesh	4,526,810	4,923,396	10,421,680	10,656,657	16,569,091	17,416,844	22,694	22,694	9,876,445	9,327,567	2,592,615	2,252,166
Maharashtra	14,730,310	15,519,814	10,363,527	10,678,689	18,052,738	18,934,049	1,368,100	1,452,847	5,325,678	5,226,073	2,060,384	1,859,242
Mumbai	7,022,548	7,521,328	4,265,414	4,447,852	3,308,930	3,391,442	1,966,337	2,009,671	2,956,907	3,054,533	3,102,968	3,026,618
North East	1,112,729	1,177,134	2,987,775	3,124,047	326,038	367,005	2,345,455	2,351,888	1,023,042	869,231		
Orissa	3,257,688	3,431,482	7,441,424	7,911,114	1,045,241	1,153,283	3,386,838	3,623,866	3,842,728	3,272,733	385,234	314,393
Punjab	4,586,222	4,712,107	7,276,076	7,548,696	5,779,877	5,916,744	833,256	917,796	2,566,045	2,530,769	387,985	344,313
Rajasthan	9,492,378	10,018,392	15,367,403	15,893,169	5,596,326	6,062,139	4,097,283	4,606,045	4,856,013	4,825,275	1,061,915	1,008,262
Tamil Nadu (incl. Chennai)	12,848,672	13,132,243	14,166,935	14,542,201	2,584,110	2,799,139	22,304,026	22,705,354	4,002,037	3,727,903	2,118,118	1,922,584
UP(E)	14,918,878	15,693,822	15,961,838	16,832,395	7,627,574	8,100,053	5,030,073	5,187,672	5,672,983	5,558,801	2,974,721	2,606,165
UP(W)	9,523,020	9,872,358	6,701,790	6,978,121	11,171,838	11,881,831	109,150	109,150	4,309,748	4,270,870	1,664,984	1,400,336
Kolkata	4,509,247	4,687,679	3,807,919	3,889,640	1,235,606	1,356,808	2,652,293	2,992,857	2,614,826	2,587,345	1,206,155	1,106,995
West Bengal	12,349,011	12,909,490	9,930,069	10,467,228	2,678,674	3,179,103	3,363,082	3,756,304	6,451,392	6,138,000	1,061,628	907,183
Total	160,407,965	166,560,986	198,406,537	205,388,903	128,685,043	135,788,186	66,911,830	70,151,708	84,876,613	81,942,708	32,365,939	28,950,453

Annexure 1.2 (contd.)

Service Area	Tata (GSM)		Tata (CDMA)		BSNL (GSM)		BSNL (CDMA)		MTNL (GSM)		MTNL (CDMA)	
	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14
Andhra Pradesh	4,802,176	4,848,957	1,681,313	1,572,783	9,604,480	9,845,939	76,421	73,592				
Assam					1,143,663	1,184,703	95,371	96,166				
Bihar	1,919,561	1,848,531	1,033,023	933,516	2,939,328	3,040,713	204,800	205,294				
Delhi			2,898,651	2,915,649					2,520,737	2,271,638	36,467	36,093
Gujarat	2,266,660	2,462,262	515,423	498,030	4,297,197	4,037,563	104,912	100,338				
Haryana	1,877,141	1,902,766	801,970	672,935	3,193,250	3,315,038	17,235	16,588				
Himachal Pradesh	63,761	61,229	70,910	63,250	1,477,516	1,383,445	52,797	50,157				
Jammu & Kashmir					1,178,974	1,207,895	63,072	63,248				
Karnataka	5,294,829	5,222,865	644,396	605,876	7,072,026	7,213,637	140,436	136,535				
Kerala	1,426,913	1,459,201	250,114	224,414	7,857,756	7,684,275	271,097	266,875				
Madhya Pradesh	3,326,886	3,478,640	661,718	607,681	5,176,348	4,769,423	190,971	179,217				
Maharashtra	3,565,541	3,743,449	2,607,010	2,582,867	6,474,446	6,460,150	129,233	123,296				
Mumbai	2,197,159	2,211,762	1,274,075	1,260,400					942,465	973,451	91,853	91,154
North East					1,641,699	1,367,785	152,276	154,052				
Orissa	1,777,597	1,864,421	222,674	220,603	3,243,644	3,277,534	58,832	56,144				
Punjab	1,572,920	1,629,304	880,504	802,665	4,490,945	4,597,238	33,990	31,845				
Rajasthan	839,646	745,768	1,384,505	1,300,121	5,808,585	5,902,115	161,098	152,805				
Tamil Nadu (incl. Chennai)	5,038,164	5,139,144	373,646	351,651	9,606,131	9,735,570	98,175	92,481				
UP(E)	3,544,089	3,465,480	682,508	629,881	10,052,307	10,163,466	271,481	272,774				
UP(W)	2,754,713	2,781,652	914,218	809,709	4,481,829	4,393,836	88,949	86,445				
Kolkata	2,267,470	2,366,643	573,001	542,316	2,242,865	839,852	21,361	20,851				
West Bengal	1,104,517	1,031,297	158,095	142,014	2,005,493	1,980,225	71,229	70,340				
Total	45,639,743	46,263,371	17,627,754	16,736,361	93,988,482	92,400,402	2,303,736	2,249,043	3,463,202	3,245,089	128,320	127,247

Annexure 1.2 (contd.)

Service Area	Sistema (CDMA)		Quadrant (HFCL) (GSM)		Quadrant (HFCL) (CDMA)		Loop (GSM)		Telewings (GSM)		Videocon (GSM)		Total		Net Additions
	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	
Andhra Pradesh									4,278,351	4,620,648			65,649,435	67,150,145	1,500,710
Assam													15,042,208	15,278,208	236,000
Bihar									4,633,099	5,103,486			59,166,171	61,585,400	2,419,229
Delhi	938,558	911,914											42,164,060	42,584,849	420,789
Gujarat	179,551	167,580							4,846,861	5,450,402	1,244,101	1,638,484	53,346,746	54,537,449	1,190,703
Haryana											1,326,511	1,502,201	20,498,940	21,251,395	752,455
Himachal Pradesh													7,129,296	7,119,714	(9,582)
Jammu & Kashmir													7,593,856	7,938,386	344,530
Karnataka	1,961,615	1,788,524											54,351,481	54,319,763	(31,718)
Kerala	449,336	398,397											31,325,549	31,120,272	(205,277)
Madhya Pradesh											1,398,950	1,846,634	54,764,208	55,480,919	716,711
Maharashtra									5,806,333	6,013,176			70,483,300	72,593,652	2,110,352
Mumbai							2,979,460	2,896,281					30,108,116	30,884,492	776,376
North East													9,589,014	9,411,142	(177,872)
Orissa													24,661,900	25,125,573	463,673
Punjab			1,953,050	2,175,701	2,761	2,605							30,363,631	31,209,783	846,152
Rajasthan	2,316,631	2,131,379											50,981,783	52,645,470	1,663,687
Tamil Nadu (incl. Chennai)	1,117,198	1,026,197											74,257,212	75,174,467	917,255
UP(E)									7,846,532	8,470,515			74,582,984	76,981,024	2,398,040
UP(W)	293,125	223,779							5,369,705	5,948,152			47,383,069	48,756,239	1,373,170
Kolkata	745,896	679,438											21,876,639	21,070,424	(806,215)
West Bengal	1,805,129	1,709,833											40,978,319	42,291,017	1,312,698
Total	9,807,039	9,037,041	1,953,050	2,175,701	2,761	2,605	2,979,460	2,896,281	32,780,881	35,606,379	3,969,562	4,987,319	886,297,917	904,509,783	18,211,866

Annexure 1.3: Wireline Subscriber Base

Service Area	Bharti		Reliance		Quadrant (HFCL)		Sistema		Tata	
	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14
Andhra Pradesh	126,496	124,186	87,876	87,540	-	-	-	-	166,744	167,433
Assam					-	-	-	-	-	-
Bihar			5,834	5,967	-	-	-	-	11,189	11,509
Delhi	1,186,998	1,193,992	184,055	184,416	-	-	-	-	100,738	107,129
Gujarat	56,133	57,703	95,800	94,892	-	-	-	-	73,128	76,052
Haryana	16,477	16,467	5,759	5,787	-	-	-	-	26,749	25,551
Himachal Pradesh			4,856	4,856	-	-	-	-	2,448	2,536
Jammu & Kashmir			-	-	-	-	-	-	-	-
Karnataka	493,897	494,606	117,531	119,169	-	-	-	-	154,795	163,213
Kerala	49,272	48,687	51,980	51,375	-	-	-	-	11,841	12,732
Madhya Pradesh	226,033	226,758	24,879	24,188	-	-	-	-	17,093	18,695
Maharashtra	69,319	70,273	98,502	97,569	-	-	-	-	249,660	255,854
Mumbai	356,733	355,503	234,398	235,151	-	-	-	-	518,645	523,926
North East					-	-	-	-	-	-
Orissa			3,784	3,835	-	-	-	-	6,954	7,295
Punjab	91,883	92,139	23,735	22,923	208,344	212,549	-	-	17,382	17,535
Rajasthan	37,007	37,588	23,629	23,208	-	-	55,850	55,213	8,381	8,687
Tamil Nadu (incl. Chennai)	465,007	460,716	147,584	147,313	-	-	-	-	76,902	82,640
U.P.(E)	50,791	51,754	40,807	40,976	-	-	-	-	14,205	14,621
U.P.(W)	21,257	21,321	6,038	6,183	-	-	-	-	8,446	9,150
Kolkata	107,463	104,448	81,744	82,177	-	-	-	-	38,984	41,306
West Bengal			2,315	2,197	-	-	-	-	3,764	3,784
Total	3,354,766	3,356,141	1,241,106	1,239,722	208,344	212,549	55,850	55,213	1,508,048	1,549,648

Annexure 1.3 (contd.)

Service Area	MTNL		BSNL		Vodafone		Total		Net Additions
	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	Dec-13	Mar-14	
Andhra Pradesh	-	-	1,679,727	1,657,496	6,870	7,650	2,067,713	2,044,305	-23,408
Assam	-	-	185,797	182,904	990	1,080	186,787	183,984	-2,803
Bihar	-	-	363,274	363,665	390	450	380,687	381,591	904
Delhi	1,602,073	1,601,739			15,840	16,710	3,089,704	3,103,986	14,282
Gujarat	-	-	1,473,942	1,459,828	1,110	1,590	1,700,113	1,690,065	-10,048
Haryana	-	-	462,718	452,043		60	511,703	499,908	-11,795
Himachal Pradesh	-	-	252,335	246,352			259,639	253,744	-5,895
Jammu & Kashmir	-	-	189,215	186,655			189,215	186,655	-2,560
Karnataka	-	-	1,566,297	1,535,931	5,040	5,160	2,337,560	2,318,079	-19,481
Kerala	-	-	2,818,490	2,773,148			2,931,583	2,885,942	-45,641
Madhya Pradesh	-	-	826,412	833,717	150	180	1,094,567	1,103,538	8,971
Maharashtra	-	-	1,913,174	1,882,033	3,630	4,050	2,334,285	2,309,779	-24,506
Mumbai	1,937,858	1,927,013			8,790	9,060	3,056,424	3,050,653	-5,771
North East	-	-	142,023	139,877	60	60	142,083	139,937	-2,146
Orissa	-	-	338,976	335,875	360	450	350,074	347,455	-2,619
Punjab	-	-	923,595	876,585	360	360	1,265,299	1,222,091	-43,208
Rajasthan	-	-	834,746	798,265	540	1,350	960,153	924,311	-35,842
Tamil Nadu (incl. Chennai)	-	-	2,266,474	2,218,136	3,870	4,380	2,959,837	2,913,185	-46,652
U.P.(E)	-	-	729,687	693,951	570	690	836,060	801,992	-34,068
U.P.(W)	-	-	601,092	504,292	270	270	637,103	541,216	-95,887
Kolkata	-	-	858,171	847,254	1,470	1,770	1,087,832	1,076,955	-10,877
West Bengal	-	-	509,748	500,140		30	515,827	506,151	-9,676
Total	3,539,931	3,528,752	18,935,893	18,488,147	50,310	55,350	28,894,248	28,485,522	-408,726

Annexure 1.4: Service Area and Operator wise details of PCOs

S. No.	Name of the Circle/Service Area	Service Provider	As on 31 st December, 2013	As on 31 st March, 2014	Net PCO increase/ decrease as on 31.03.2014	Percentage Growth/ Decline as on 31.03.2014
1	Andaman & Nicobar	BSNL	215	214	-1	-0.47%
2	Andhra Pradesh	BSNL	66,445	63,149	-3,296	-4.96%
		Bharti	238	220	-18	-7.56%
		TATA	9,766	8,969	-797	-8.16%
		Reliance	24,991	22,218	-2,773	-11.10%
3	Assam	BSNL	11,338	11,207	-131	-1.16%
		TATA	-	-	0	0%
4	Bihar(including Jharkhand)	BSNL	8,397	8,099	-298	-3.55%
		Reliance	1,054	911	-143	-13.57%
		TATA	411	306	-105	-25.55%
5	Delhi	Bharti	1,844	1,661	-183	-9.92%
		MTNL	57,852	57,270	-582	-1.01%
		Reliance	944	854	-90	-9.53%
		TATA	4,896	4,526	-370	-7.56%
6	Gujarat	BSNL	34,410	33,460	-950	-2.76%
		Bharti	19	18	-1	-5.26%
		Reliance	3,147	2,785	-362	-11.50%
		TATA	6,659	5,850	-809	-12.15%
7	Haryana	BSNL	8,058	7,698	-360	-4.47%
		Bharti	251	242	-9	-3.59%
		Reliance	155	134	-21	-13.55%
		TATA	213	177	-36	-16.90%
8	Himachal Pradesh	BSNL	5,756	5,680	-76	-1.32%
		Reliance	885	878	-7	-0.79%
		TATA	84	70	-14	-16.67%
9	Jammu & Kashmir	BSNL	6,476	6,249	-227	-3.51%
		TATA	-	-	0	0%
10	Karnataka	BSNL	96,612	92,441	-4,171	-4.32%
		Bharti	7,499	6,963	-536	-7.15%
		Reliance	9,142	8,042	-1,100	-12.03%
		TATA	7,349	6,254	-1,095	-14.90%

Annexure 1.4 (Contd.)

S. No.	Name of the Circle/Service Area	Service Provider	As on 31st December, 2013	As on 31st March, 2014	Net PCO increase/ decrease as on 31.03.2014	Percentage Growth/ Decline as on 31.03.2014
11	Kerala	BSNL	38,053	36,363	-1,690	-4.44%
		Bharti	804	757	-47	-5.85%
		Reliance	1,868	1,662	-206	-11.03%
		TATA	379	322	-57	-15.04%
12	Madhya Pradesh (Including Chattisgarh)	BSNL	31,078	30,971	-107	-0.34%
		Bharti	4,683	4,440	-243	-5.19%
		Reliance	2,563	2,302	-261	-10.18%
		TATA	2,651	2,364	-287	-10.83%
13	Maharashtra (including Mumbai)	BSNL & MTNL	1,83,938	1,79,796	-4,142	-2.25%
		Bharti	48	48	0	0.00%
		Reliance	18,312	17,044	-1,268	-6.92%
		TATA	43,419	38,793	-4,626	-10.65%
	Mumbai	Bharti	48	44	-4	-8.33%
		MTNL	87,067	86,126	-941	-1.08%
		Reliance	9,782	9,430	-352	-3.60%
		TATA	8,780	7,629	-1,151	-13.11%
	Maharashtra excluding Mumbai	BSNL	96,871	93,670	-3,201	-3.30%
		Bharti	-	4	4	0%
		Reliance	8,530	7,614	-916	-10.74%
Tata		34,639	31,164	-3,475	-10.03%	
14	North East	BSNL	8,484	8,407	-77	-0.91%
		TATA	-	-	0	0%
15	Orissa	BSNL	7,894	7,585	-309	-3.91%
		Reliance	252	218	-34	-13.49%
		TATA	468	399	-69	-14.74%
16	Punjab	BSNL	10,825	10,126	-699	-6.46%
		Bharti	202	186	-16	-7.92%
		Quadrant	3,361	3,201	-160	-4.76%
		Reliance	1,064	919	-145	-13.63%
		TATA	1,765	1,544	-221	-12.52%
17	Rajasthan	BSNL	16,823	15,552	-1,271	-7.56%
		Bharti	235	224	-11	-4.68%
		Sistema Shyam	12,251	12,113	-138	-1.13%
		Reliance	1,767	1,589	-178	-10.07%
		TATA	916	749	-167	-18.23%

Annexure 1.4 (Contd.)

S. No.	Name of the Circle/Service Area	Service Provider	As on 31st December, 2013	As on 31st March, 2014	Net PCO increase/ decrease as on 31.03.2014	Percentage Growth/ Decline as on 31.03.2014
18	Tamil Nadu(including Chennai)	BSNL	1,06,793	1,00,599	-6,194	-5.80%
		Bharti	12,400	11,750	-650	-5.24%
		Reliance	13,731	12,699	-1,032	-7.52%
		TATA	6,569	4,935	-1,634	-24.87%
	Chennai	BSNL	15,616	14,664	-952	-6.10%
		Reliance	3,832	3,637	-195	-5.09%
	Tamil nadu (excluding Chennai)	BSNL	91,177	85,935	-5,242	-5.75%
		Bharti	12,400	11,750	-650	-5.24%
		Reliance	9,899	9,062	-837	-8.46%
		TATA	6,569	4,935	-1,634	-24.87%
19	Uttar Pradesh (East)	BSNL	47,792	33,540	-14,252	-29.82%
		Bharti	239	225	-14	-5.86%
		Reliance	1,213	1,051	-162	-13.36%
		TATA	850	519	-331	-38.94%
20	Uttar Pradesh (West) (including Uttranchal)	BSNL	16,359	14,602	-1,757	-10.74%
		Bharti	220	203	-17	-7.73%
		Reliance	897	773	-124	-13.82%
		TATA	1,213	1,037	-176	-14.51%
21	West Bengal (including Kolkata)	BSNL	35,471	35,512	41	0.12%
		Bharti	80	77	-3	-3.75%
		Reliance	2,769	2,444	-325	-11.74%
		TATA	3,781	2,803	-978	-25.87%
	Kolkata	BSNL	8,447	7,865	-582	-6.89%
		Bharti	80	77	-3	-3.75%
		Reliance	1,313	1,174	-139	-10.59%
		TATA	2,757	2,130	-627	-22.74%
	West Bengal (excluding Kolkata)	BSNL	27,024	27,647	623	2.31%
		Reliance	1,456	1,270	-186	-12.77%
TATA		1,024	673	-351	-34.28%	
TOTAL			10,19,586	9,56,988	-62,598	-6.14%

Annexure 1.5: Service Area & Operator wise details of Village Public Telephones

S. No.	Name of the Circle/Service Area	Service Provider	As on 31st December 2013	As on 31st March 2014	Net VPT increased/ decreased as on 31st March, 14	Percentage Growth/ Decline as on 31st March, 2014
1	Andaman & Nicobar	BSNL	352	352	0	0%
2	Andhra Pradesh	BSNL	25,107	25,107	0	0%
		Bharti	-	-	0	0%
		TATA	1,358	1,358	0	0%
		Reliance	-	-	0	0%
		Vodafone	-	-	0	0%
3	Assam	BSNL	24,688	24,692	4	0.02%
		TATA	-	-	0	0%
		Vodafone	-	-	0	0%
4	Bihar(including Jharkhand)	BSNL	67,748	67,748	0	0%
		Reliance	-	-	0	0%
		TATA	-	-	0	0%
		Vodafone	-	-	0	0%
5	Delhi	Bharti	-	-	0	0%
		MTNL	-	-	0	0%
		TATA	-	-	0	0%
		Reliance	-	-	0	0%
		Vodafone	-	-	0	0%
6	Gujarat	BSNL	18,051	18,051	0	0%
		Bharti	-	-	0	0%
		TATA	-	-	0	0%
		Reliance	-	-	0	0%
		Vodafone	-	-	0	0%
7	Haryana	BSNL	6,678	6,678	0	0%
		Bharti	-	-	0	0%
		Reliance	-	-	0	0%
		TATA	-	-	0	0%
8	Himachal Pradesh	BSNL	17,408	17,408	0	0%
		Reliance	-	-	0	0%
		TATA	-	-	0	0%
9	Jammu & Kashmir	BSNL	6,384	6,385	1	0.02%

Annexure 1.5 (contd.)

S. No.	Name of the Circle/Service Area	Service Provider	As on 31st December 2013	As on 31st March 2014	Net VPT increased/ decreased as on 31st March, 14	Percentage Growth/ Decline as on 31st March, 2014
10	Karnataka	BSNL	27,449	27,451	2	0.01%
		Bharti	-	-	0	0%
		TATA	-	-	0	0%
		Reliance	-	-	0	0%
		Vodafone	-	-	0	0%
11	Kerala	BSNL	1,372	1,372	0	0%
		Bharti	-	-	0	0%
		Reliance	-	-	0	0%
		TATA	-	-	0	0%
12	Madhya Pradesh (Including Chattisgarh)	BSNL	70,309	70,309	0	0%
		Bharti	-	-	0	0%
		Reliance	-	-	0	0%
		Vodafone	-	-	0	0%
		TATA	-	-	0	0%
13	Maharashtra (including Mumbai)	BSNL& MTNL	40,654	40,654	-	0%
		Bharti	-	-	-	0%
		TATA	2,595	2,595	-	0%
		Reliance	-	-	-	0%
		Vodafone	-	-	-	0%
	Mumbai	MTNL	-	-	0	0%
		Bharti	-	-	0	0%
		Reliance	-	-	0	0%
		TATA	-	-	0	0%
		Vodafone	-	-	0	0%
	Maharashtra Excluding Mumbai	BSNL	40,654	40,654	0	0%
		Bharti	-	-	0	0%
		Reliance	-	-	0	0%
TATA		2,595	2,595	0	0%	
Vodafone		-	-	0	0%	
14	North East	BSNL	13,017	13,019	2	0.02%
15	Orissa	BSNL	45,215	45,215	0	0%
		Reliance	-	-	0	0%
		TATA	-	-	0	0%
		Vodafone	-	-	0	0%
16	Punjab	BSNL	12,065	12,065	0	0%
		Quadrant	27	25	-2	-7.41%
		Bharti	-	-	0	0%
		Reliance	-	-	0	0%
		TATA	-	-	0	0%
		Vodafone	-	-	0	0%

Annexure 1.5 (contd.)

S. No.	Name of the Circle/Service Area	Service Provider	As on 31st December 2013	As on 31st March 2014	Net VPT increased/ decreased as on 31st March, 14	Percentage Growth/ Decline as on 31st March, 2014
17	Rajasthan	BSNL	39,568	39,568	0	0%
		Bharti	-	-	0	0%
		Sistema Shyam	3,010	3,010	0	0%
		Reliance	-	-	0	0%
		TATA	-	-	0	0%
		Vodafone	-	-	0	0%
18	Tamil Nadu(including Chennai)	BSNL	15,492	15,492	-	0%
		Bharti	-	-	-	0%
		TATA	-	-	-	0%
		Vodafone	-	-	-	0%
		Reliance	-	-	-	0%
	Chennai	BSNL	1,655	1,655	0	0%
		Vodafone	-	-	0	0%
		Reliance	-	-	0	0%
	Tamil Nadu (excluding Chennai)	BSNL	13,837	13,837	0	0%
		TATA	-	-	0	0%
		Reliance	-	-	0	0%
		Bharti	-	-	0	0%
19	U P (East)	BSNL	74,145	74,145	0	0%
		Bharti	-	-	0	0%
		Reliance	-	-	0	0%
		TATA	-	-	0	0%
20	UP (West) (incl. Uttaranchal)	BSNL	39,071	39,075	4	0.01%
		Reliance	-	-	0	0%
		Bharti	-	-	0	0%
		TATA	-	-	0	0%
21	West Bengal (including Kolkata)	BSNL	37,567	37,138	(429)	-1.14%
		Bharti	-	-	-	0%
		Reliance	-	-	-	0%
		TATA	-	-	-	0%
	Kolkata	BSNL	613	613	0	0%
		Bharti	-	-	0	0%
		Reliance	-	-	0	0%
		TATA	-	-	0	0%
	West Bengal (excluding Kolkata)	BSNL	36,954	36,525	-429	1.16%
		Reliance	-	-	0	0%
TATA		-	-	0	0%	
Total			5,89,330	5,88,912	-418	-0.071%

Annexure 1.6 : Internet Service Provider(ISP) wise Internet Subscriber base

S.No	Name of Service Provider	Narrowband (<512 Kbps)	Broadband (>= 512 Kbps)	Total
1	Bharti Airtel Ltd.	47059428	12360361	59419789
2	Vodafone	44985141	7022353	52007494
3	Bharat Sanchar Nigam Ltd.	23746276	16764599	40510875
4	Reliance Communications Group	30371535	7220363	37591898
5	Idea Cellular Limited	18002214	7228337	25230551
6	Aircel	14460150	1841895	16302045
7	Telewings	7531871	0	7531871
8	Tata	175136	2948598	3123734
9	Loop	2734678	0	2734678
10	Mahanagar Telephone Nigam Ltd.	259	1775189	1775448
11	Sistema Shyam	37481	1234308	1271789
12	Videocon	995637	0	995637
13	Quadrant Televentures Ltd.(HFCL Infotel Ltd.)	380222	137495	517717
14	You Broadband India Pvt. Ltd.	15956	382389	398345
15	Hathway Cable & Datacom Pvt. Ltd.	9882	369535	379417
16	Beam Telecom Pvt. Ltd.	0	378710	378710
17	Tikona	4083	253587	257670
18	Asianet Satellite Communications Ltd.	0	123129	123129
19	Atria Convergence Technologies Pvt. Ltd.	0	89785	89785
20	D-Vois Broadband Private Limited	0	78346	78346
21	Syscon Infoway Pvt Ltd	19293	47178	66471
22	Five Network Solution (India) Ltd.	0	59536	59536
23	Ortel Communication Ltd.	6277	48153	54430
24	Gujarat Telelink Pvt Ltd	5237	44986	50223
25	Broadband Pacenet (I) Pvt. Ltd.	627	48564	49191
26	Alliance Broadband Services Pvt. Ltd.	31389	14680	46069
27	Citycom Networks Pvt. Ltd.	5257	36564	41821
28	Siti Cable Network Ltd. (Wire and Wireless India Ltd.)	22103	16602	38705
29	Honesty Net Solutions (I) Pvt Ltd	7147	22339	29486
30	Meghbela Cable & Broadband Servies (P) Ltd	19898	8936	28834
31	Indusind Media & Communications Limited (In2cable (I) Ltd.)	4320	24206	28526
32	Chandra Net Pvt. Limited	2651	23333	25984
33	Digital Network associates Pvt. Ltd	8670	16522	25192

Annexure 1.6 (contd.)

S.No	Name of Service Provider	Narrowband (<512 Kbps)	Broadband (>= 512 Kbps)	Total
34	Noida Software Technology Park Ltd.	0	21676	21676
35	Home Systems Pvt. Ltd.	0	21437	21437
36	Rajesh Multi Channel Pvt. Ltd.	5593	12187	17780
37	Wish Net Pvt. Ltd.	9915	7655	17570
38	Southern Online Bio Technologies Ltd.	3581	13310	16891
39	Vasai Cable Pvt. Ltd.	0	13507	13507
40	City Online Services Ltd	6510	6169	12679
41	SmartLink Broadband Services	1700	10030	11730
42	R.K. Infratel Limited	1176	10420	11596
43	RailTel Corporation of India Ltd.	2908	7348	10256
44	Symbois Creations Pvt. Ltd.	3942	4853	8795
45	WE INTERNET LIMITED (Nivyah Infrastructure & Telecom Services Ltd)	0	8578	8578
46	Sify Technologies Ltd.	4396	4080	8476
47	Nextra Teleservices Pvt. Ltd.	0	8102	8102
48	Limras Eronet Broadband Service Pvt Ltd	5005	2630	7635
49	Pioneerelabs	22	7428	7450
50	Apna Telelink Ltd.	0	7269	7269
51	Blazenet Ltd.	4000	3150	7150
52	Swiftmail Communications Ltd.	1106	5925	7031
53	World Phone Internet Services Pvt Ltd	1416	5113	6529
54	Nettlinx Ltd.	0	5818	5818
55	DEN Networks Ltd	522	5079	5601
56	Quest Consultancy Pvt. Ltd.	636	4346	4982
57	Spacenet Internet Services Pvt Ltd	0	4565	4565
58	Hathway Bhawani Cabletel & Datacom Pvt. Ltd.	0	4411	4411
59	North East Dataa Network Pvt Ltd.	0	4383	4383
60	Bhupati Hotels Pvt. Ltd	4247	13	4260
61	Narmada Cyberzone Pvt Ltd	1854	2170	4024
62	CJ Online Pvt. Ltd.	22	3611	3633
63	HCL Comnet Systems & Services Ltd.	3396	27	3423
64	Rajesh Patel Net Services Pvt. Ltd.	323	2893	3216
65	Geocity Network Solutions Pvt. Ltd.	761	2440	3201
66	Kaizen Infonet Pvt Ltd	962	2226	3188
67	Ishan Netsol Pvt Ltd	2963	137	3100
68	IKF Technologies Ltd	886	2152	3038

Annexure 1.6 (contd.)

S.No	Name of Service Provider	Narrowband (<512 Kbps)	Broadband (>= 512 Kbps)	Total
69	F/X Wireless Technology Services Pvt. Ltd.	0	2874	2874
70	Speed Online.net Pvt. Ltd.	0	2830	2830
71	Intermedia Cable Communication Pvt Ltd	364	2390	2754
72	CJM Consultancy Services Pvt. Ltd.	0	2740	2740
73	Siliguri Internet & Cable TV Pvt. Ltd.	0	2356	2356
74	Shri Omkar Infocom Pvt. Ltd.	27	2198	2225
75	Kappa Internet Services Pvt Ltd.	672	1313	1985
76	Hughes Communications India Ltd.	835	1060	1895
77	Capture Network Systems Pvt. Ltd.	163	1469	1632
78	Star Broadband Services (I) Pvt Ltd	0	1362	1362
79	Touch Net India Pvt. Ltd.	664	674	1338
80	Sab Infotech (Sab Industries)	1275	33	1308
81	United Telecoms Ltd.	180	1035	1215
82	Wan and Lan Internet Pvt. Ltd.	68	902	970
83	Readylink Internet Services Pvt Ltd	8	834	842
84	Data Infosys Ltd.	181	559	740
85	Multinet (Udaipur) Pvt. Ltd.	193	405	598
86	delDSL Internet Pvt Ltd	4	534	538
87	Sikka Broadband(P) Ltd.(Gomti Cable Network Pvt. Ltd.)	39	407	446
88	Rajdhani Telecom Pvt. Ltd.	39	400	439
89	ERNET India	230	122	352
90	Primenet Global Ltd.	0	316	316
91	Bhiwani Communications Pvt. Ltd.	123	144	267
92	Microsense Pvt. Ltd.	0	216	216
93	QBC Infotech Pvt. Ltd.	22	180	202
94	Nextgen Communications Ltd(RPG Infotech Ltd).	138	59	197
95	Aeroway Networks Pvt Ltd.	0	168	168
96	Tatanet Services Ltd	0	136	136
97	Conjoinix Technologies Pvt Ltd	0	129	129
98	Trans Virtual Pvt. Ltd.	44	76	120
99	Convergent Telecom Pvt. Ltd.(Karuturi Telecom Private Limited)	0	118	118
100	Amber Online Services Ltd.	0	112	112
101	Khetan Cable Network (P) Ltd	33	73	106

Annexure 1.6 (contd.)

S.No	Name of Service Provider	Narrowband (<512 Kbps)	Broadband (>= 512 Kbps)	Total
102	Pulse Telesystems Pvt. Ltd.	0	83	83
103	NetMagic Solutions(P) Ltd.	74	0	74
104	Harisree CableNet Pvt. Ltd.	0	54	54
105	Verizon Communications India Pvt. Ltd. (Worldcom Communications).	0	52	52
106	Kelnet Communication Services Pvt. Ltd	0	47	47
107	Essel Shyam Communications Ltd	37	0	37
108	AT&T Global Network Services India Private Limited	0	36	36
109	Sanyog Networks Pvt Ltd	15	20	35
110	Power Grid Corporation of India Ltd.	0	33	33
111	STN Communication & Advertising Pvt Ltd.	0	33	33
112	West Bengal Electronics Industry Development Corp. Ltd.	0	30	30
113	Dreamzcraft Info Solutions Pvt Ltd	2	24	26
114	Nelco Ltd.	0	18	18
115	Reach Network India Pvt. Ltd.	3	14	17
116	Vcare Call Centres India Pvt. Ltd.	0	14	14
117	Chemical And Metallurgical Design Co. Ltd	0	13	13
118	Financial Technologies Communications Ltd.	11	0	11
119	VIVA Communications Pvt Ltd (Mylai Karpagambal Information Systems (P) Ltd)	0	8	8
120	ABT Ltd.	0	5	5
121	Godrej Infotech Ltd.	2	1	3
122	Opto Network Pvt. Ltd.	0	3	3
123	Compucom (I) Pvt. Ltd.	2	0	2
124	Devas Multimedia Pvt.Ltd.	0	2	2
125	Orange Business Services India Network Pvt. Ltd.	0	1	1
126	L&T Finance Ltd.(L&T Netcom Ltd.)	0	1	1
127	Maple PC & Peripherals Pvt Ltd	0	1	1
128	Reliance Jio Infocomm Ltd (Infotel Broadband Services Limited)	0	1	1
	Total	190716108	60874434	251590542

Annexure 1.7: List of Internet Service Providers Providing Internet Telephony Service

S. No.	Name of Service Provider reported IP Telephony Minutes
1	Alliance Broadband Services Pvt. Ltd.
2	Asianet Satellite Communications Ltd.
3	Bharat Sanchar Nigam Ltd.
4	Blazenet Ltd.
5	Citycom Networks Pvt. Ltd.
6	Data Infosys Ltd.
7	delDSL Internet Pvt Ltd
8	Digital2Virtual ISP Pvt. Ltd.
9	IKF Technologies Ltd
10	Convergent Telecom Pvt. Ltd.(Karuturi Telecom Private Limited)
11	Novanet Ltd.
12	Oistel Telecom Pvt. Ltd.
13	Opto Network Pvt. Ltd.
14	Pipetel Communications Pvt. Ltd.
15	Pulse Telesystems Pvt. Ltd.
16	QBC Infotech Pvt. Ltd.
17	Sify Technologies Ltd.
18	Tata Communications Limited
19	Tata Teleservices(Maharashtra) Ltd.
20	Trikon Electronics Pvt. Ltd.
21	VIVA Communications Pvt Ltd
22	World Phone Internet Services Pvt Ltd
23	You Broadband & Cable India Private Limited

Annexure 1.8: Service Area wise PMRTS subscriber Base

SNo.	Operative Area	Service Providers	Subscriber Base	
			31.12.2013	31.03.2014
1	Delhi(Faridabad/ Gurgaon)	Arya Omnitalk Radio Trunking Servives Pvt.Ltd.	2617	2617
		Procall(Delhi)	4103	4218
		Procall (Faridabad)	368	322
		Procall (Gurgaon)	864	877
		Total	7952	8034
2	Mumbai(Navi Mumbai/Vashi)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	6404	6396
		Smartalk (Mumbai)	513	691
		Smartalk (Vashi)	65	2
		Bhilwara Telenet(Mumbai)	707	680
		Total	7689	7769
3	Kolkata	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1825	1883
		Total	1825	1883
4	TN(Chennai)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	4649	5079
		Quick Calls	451	380
		Total	5100	5459
5	Karnataka (Bangalore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	5290	5456
		Quick Calls	469	498
		India Satcom	0	0
		Total	5759	5954
6	Andhra Pradesh (Vishakhapatna)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	2873	3000
		Quick Calls	1833	2018
		Total	4706	5018
7	Madhya Pradesh (Indore)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	755	811
		Total	755	811
8	Rajasthan (Jaipur)	Procall	530	529
		Total	530	529
9	Gujrat(Ahmedabad /Surat/Baroda/ Bharuch)	Arya Omnitalk Radio Trunking Services Pvt.Ltd.	4048	4452
		Total	4048	4452
10	Maharashtra (Pune)	Smartalk	483	465
		Arya Omnitalk Radio Trunking Services Pvt.Ltd.	1178	1253
		Total	1661	1718
		Grand Total	40025	41627

Annexure 2.1: GSM Service - Service Area wise Statistics for QE Mar-14

Key parameters for service areas of category-A

Service Area	% of pre-paid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
AP	96.	126	29	198	205	403
Gujarat	95	106	20	191	164	354
Karnataka	95	129	46	203	195	398
MH	95	122	40	186	171	357
TN (incl. Chennai)	95	119	47	178	189	368

Key parameters for service areas of category-B

Service Area	% of pre-paid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Haryana	97	94	20	194	180	374
Kerala	96	158	21	201	252	453
MP	98	94	19	155	157	312
Punjab	94	117	43	200	196	396
Rajasthan	98	103	13	159	177	335
UP(E)	99	95	14	169	239	408
UP(W)	98	95	22	175	195	370
WB	99	84	15	162	203	365

Key parameters for service areas of category-C

Service Area	% of pre-paid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Assam	96	127	35	220	246	466
Bihar	99	96	8	165	255	419
HP	98	96	23	189	192	381
J&K	92	161	2	293	272	565
NE	97	123	65	206	196	402
Orissa	99	96	12	193	231	424

Key parameters for service areas of category-Metro

Service Area	% of pre-paid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Kolkata	93	105	28	215	218	433
Delhi	87	154	29	236	189	425
Mumbai	85	161	37	265	191	456

**Annexure 2.2: CDMA Full Mobility Service - Service Area wise Statistics for
QE Mar-14**

Key parameters for service areas of Category A

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
MH	89	122.73	21	143	127	269
Gujarat	81	115.64	32	136	106	242
TN (incl. Chennai)	82	151.18	17	142	109	251
Karnataka	86	125.99	11	140	128	268
AP	87	124.75	20	152	143	295

Key parameters for service areas of Category B

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
WB	99	66.19	6	150	167	317
Rajasthan	95	73.50	13	195	157	352
UP(E)	96	66.31	18	100	115	215
MP	95	70.24	15	112	130	242
Kerala	85	112.88	12	116	92	209
UP(W)	94	76.34	20	110	126	236
Haryana	90	70.86	17	147	129	275
Punjab	79	126.39	17	165	104	269

Key parameters for service areas of Category C

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Orissa	91	89.30	10	126	159	284
Bihar	97	72.97	10	112	162	273
HP	86	120.08	8	131	112	243
J&K	28	142.30	21	103	88	191
North East			NA			
Assam			NA			

Key parameters for service areas of Category Metro

Service Area	% of Prepaid in total subscribers	ARPU (Rs. per month)	Total usage (from & outside HSA) per subscriber per month			
			Outgoing SMS	Outgoing MOU	Incoming MOU	Total MOU
Kolkata	90	94.23	9	145	150	305
Delhi	87	121.45	22	174	126	304
Mumbai	81	152.78	26	126	95	213

Annexure 4.1: Performance of QoS Parameters for Cellular Mobile 2G Service

Performance Monitoring Report on Quality of Service of Cellular Mobile Service Providers for quarter ending, March , 2014																			
Name of Service Area	Name of Service Provider	Network Related Parameters									Customer Service Quality Parameters								
		Network		Connection			Connection			POI	Metering and Billing				Response time		Termination /		
		BTSs Accumulated downtime (not available for service) (%age)	Worst affected BTSs due to downtime (%age)	Call Set-up Success Rate (within licensee's own network)	SDCCH/ Paging Chl. Congestion (%age)	TCH Congestion (%age)	Call Drop Rate (%age)	Worst affected cells having more than 3% TCH drop (call drop) rate (%age)	Connection with good voice quality	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark) (Averaged over a period of quarter)	Metering and billing credibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/charging/validity complaints	Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 60 seconds	%age requests for Termination / Closure of service complied 1.00	Time taken for refund of deposits after closures	
		≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%	≤ 0.1%	≤ 0.1%	100% within 4 weeks	within 1 week of resolution of complaint	≥ 95%	≥ 90%	100% within 7 days	100% within 60 days	
AP	Aircel	0.08	0.02	99.48	0.11	0.13	0.89	1.18	97.87	0	0.01	0.00	100.00	100.00	96.76	86.03	100.00	100.00	
	Airtel	0.02	0.00	99.12	0.12	0.08	0.34	0.45	98.93	0	0.02	0.00	100.00	100.00	100.00	92.00	100.00	100.00	
	BSNL	1.93	1.90	98.00	0.60	1.73	0.87	2.33	97.67	0	0.00	0.00	100.00	100.00	96.00	91.00	100.00	100.00	
	Idea	0.01	0.02	99.99	0.63	0.93	0.63	1.27	97.37	0	0.29	0.00	100.00	100.00	99.62	91.97	99.92	100.00	
	RCOM CDMA	0.35	1.45	98.91	0.00	0.04	0.12	0.07	99.70	0	0.10	0.04	100.00	100.00	98.84	52.69	100.00	100.00	
	RCOM GSM	0.30	1.02	99.72	0.03	0.06	0.38	0.02	98.90	0	0.09	0.10	100.00	100.00	98.84	35.79	100.00	100.00	
	TATA CDMA	0.02	0.00	99.03	0.01	0.00	0.29	0.71	98.67	0	0.00	0.00	100.00	100.00	99.23	95.22	100.00	100.00	
	TATA GSM	0.12	0.84	98.61	0.06	0.32	0.62	2.05	98.17	0	0.00	0.00	100.00	100.00	99.48	93.45	100.00	100.00	
	Uninor	0.27	1.67	98.19	0.29	0.54	1.03	2.53	97.71	0	NA	0.00	100.00	NA	95.46	97.39	NA	NA	
Vodafone	0.04	0.19	99.71	0.09	0.29	0.51	1.51	98.92	0	0.09	0.07	100.00	100.00	100.00	97.85	100.00	100.00		
ASM	Aircel	1.84	11.54	95.25	0.93	2.07	1.46	4.75	92.84	0	0.02	0.01	100.00	100.00	75.52	77.17	100.00	100.00	
	Airtel	0.22	1.24	98.52	0.22	0.50	0.88	0.90	98.64	0	0.00	0.00	100.00	100.00	100.00	98.00	100.00	100.00	
	BSNL	2.84	6.02	95.00	0.87	1.36	2.12	5.96	90.47	0	0.00	0.10	100.00	100.00	75.00	94.70	100.00	51.00	
	Idea	0.61	0.46	99.05	0.08	0.61	1.01	1.58	95.73	0	0.01	0.00	100.00	100.00	97.37	98.11	100.00	100.00	
	RTL	0.32	1.70	98.56	0.03	0.14	0.66	0.05	98.33	0	0.10	0.10	100.00	100.00	98.98	85.08	100.00	100.00	
	Vodafone	0.64	1.92	99.28	0.20	0.72	0.55	2.74	97.95	0	0.08	0.01	100.00	100.00	99.97	96.13	100.00	100.00	
BH	Aircel	1.71	10.24	97.63	0.58	1.81	1.06	4.63	94.80	0	0.06	0.00	100.00	100.00	72.79	90.65	100.00	100.00	
	Airtel	0.10	0.26	98.36	0.12	0.18	0.27	1.99	98.89	0	0.01	0.01	100.00	100.00	100.00	74.00	100.00	100.00	
	BSNL	3.50	7.70	97.40	0.61	1.07	2.14	5.65	95.67	0	0.00	0.05	100.00	100.00	96.00	98.00	100.00	100.00	
	Idea	0.55	1.73	98.32	0.57	1.49	1.27	2.78	97.33	0	0.00	0.00	100.00	100.00	99.55	97.49	100.00	100.00	
	RCOM CDMA	0.29	0.47	98.19	0.00	0.01	0.26	0.48	99.81	0	0.09	0.10	100.00	100.00	98.63	70.52	100.00	100.00	
	RTL	0.09	0.50	96.24	0.24	0.08	0.48	0.08	97.87	0	0.07	0.10	100.00	100.00	98.65	91.73	100.00	100.00	
	TATA CDMA	0.10	0.00	97.53	0.00	0.79	0.84	2.26	98.56	0	0.00	0.00	100.00	100.00	99.51	94.97	100.00	100.00	
	TATA GSM	0.00	0.00	99.21	0.10	0.08	0.41	0.25	97.89	0	0.00	0.00	100.00	100.00	96.44	95.49	100.00	100.00	
	Uninor	0.18	0.56	97.42	0.53	1.92	0.53	1.46	93.87	0	NA	0.02	100.00	NA	96.13	96.57	NA	NA	
Vodafone	0.32	1.40	99.74	0.06	0.26	0.69	1.74	97.86	0	0.02	0.01	100.00	100.00	100.00	92.99	100.00	100.00		

Annexure 4.1 (Contd.)

CHN	Aircel	0.38	1.38	98.86	0.22	0.77	0.47	0.62	97.90	0	0.00	0.00	100.00	100.00	94.57	90.91	100.00	100.00	
	Airtel	0.03	0.00	99.91	0.02	0.01	0.16	0.07	99.73	0	0.02	0.00	100.00	100.00	100.00	92.00	100.00	100.00	
	BSNL	0.40	1.63	100.00	0.20	0.30	0.60	1.20	100.00	0	0.10	0.10	100.00	100.00	99.00	88.20	100.00	100.00	
	TATA CDMA	Incl. In TN									Incl. In TN								
	TATA GSM	Incl. In TN									Incl. In TN								
	Idea	0.02	0.00	99.71	0.11	0.12	0.50	0.53	97.40	0	Incl. In TN								
	RCOM CDMA	Incl. In TN									0.10	0.05	100.00	100.00	98.54	86.11	100.00	100.00	
	RCOM GSM	Incl. In TN									Incl. In TN								
Vodafone	0.02	0.07	99.53	0.09	0.47	0.49	1.70	98.83	0	0.05	0.06	100.00	100.00	100.00	94.00	100.00	100.00		
DLI	Aircel	0.33	1.69	97.77	0.26	1.16	1.11	2.82	97.59	0	0.00	0.00	100.00	100.00	97.76	72.69	100.00	100.00	
	Airtel	0.02	0.00	99.87	0.03	0.05	0.55	0.33	99.32	0	0.03	0.01	100.00	100.00	100.00	91.00	100.00	100.00	
	Idea	0.00	0.00	99.97	0.63	1.12	0.56	1.55	98.42	0	0.07	0.00	100.00	100.00	99.55	98.28	100.00	98.55	
	MTNL CDMA	1.68	1.05	98.63	0.31	0.30	1.64	1.05	99.00	0	0.01	0.00	100.00	100.00	99.63	99.63	100.00	100.00	
	MTNL GSM	0.46	1.61	96.06	0.45	1.80	1.64	2.51	97.75	0	0.02	0.01	100.00	100.00	98.26	95.24	100.00	100.00	
	MTS	0.06	0.18	99.02	0.00	0.23	0.58	1.52	99.08	0	0.05	0.10	100.00	100.00	99.00	95.00	100.00	100.00	
	RCOM CDMA	0.11	0.03	98.39	0.00	0.02	0.41	2.29	99.80	0	0.10	0.10	100.00	100.00	98.52	89.11	100.00	100.00	
	RCOM GSM	0.21	0.12	99.59	0.06	0.05	0.39	0.03	98.78	0	0.10	0.10	100.00	100.00	98.56	87.39	100.00	100.00	
GUJ	TATA CDMA	0.04	0.00	99.08	0.00	0.07	0.64	1.49	99.10	0	0.00	0.00	100.00	100.00	98.93	95.64	100.00	100.00	
	Vodafone	0.02	0.00	99.63	0.04	0.16	0.80	1.99	97.55	0	0.10	0.01	100.00	100.00	100.00	97.33	100.00	100.00	
	Aircel	0.02	0.00	99.50	0.05	0.17	0.49	1.73	98.39	0	0.00	0.00	100.00	100.00	96.77	96.91	100.00	100.00	
	Airtel	0.06	0.15	99.69	0.04	0.20	0.61	0.27	97.15	0	0.01	0.00	100.00	100.00	100.00	91.00	99.89	100.00	
	BSNL	1.21	1.95	99.06	0.24	1.20	1.46	2.69	100.00	0	0.02	0.00	100.00	100.00	95.08	93.66	100.00	100.00	
	Idea	0.03	0.01	99.25	0.21	0.38	1.00	0.77	96.41	0	0.06	0.00	100.00	100.00	99.70	99.50	98.50	94.22	
	MTS	0.04	0.00	99.76	0.00	0.02	0.12	1.70	99.21	0	0.03	0.01	100.00	100.00	98.39	95.89	100.00	100.00	
	RCOM CDMA	0.13	0.04	99.31	0.00	0.00	0.03	0.05	99.87	0	0.10	0.09	100.00	100.00	98.27	83.87	100.00	100.00	
	RCOM GSM	0.13	0.08	99.60	0.02	0.07	0.19	0.02	98.83	0	0.09	0.10	100.00	100.00	98.77	76.63	100.00	100.00	
	TATA CDMA	0.01	0.00	98.03	0.00	0.93	0.58	2.32	99.33	0	0.00	0.00	100.00	100.00	98.41	94.55	100.00	100.00	
HP	TATA GSM	0.17	0.00	98.12	0.04	0.05	0.82	2.42	98.27	0	0.00	0.00	100.00	100.00	99.18	90.76	100.00	100.00	
	Uninor	0.08	0.37	97.52	0.20	1.00	0.45	2.31	98.08	0	NA	0.02	100.00	NA	95.96	91.02	NA	NA	
	Videocon	0.05	0.11	98.27	0.13	0.48	0.54	0.95	97.90	0	NA	0.01	100.00	100	97.76	92.91	NA	NA	
	Vodafone	0.01	0.01	99.73	0.08	0.27	0.73	0.64	97.52	0	0.11	0.01	100.00	100.00	100.00	97.11	100.00	99.00	
	Aircel	0.51	1.76	99.49	0.03	0.24	1.02	2.18	94.96	0	0.00	0.00	100.00	100.00	99.13	92.21	100.00	100.00	
	Airtel	0.01	0.00	99.15	0.10	0.15	0.61	2.07	98.89	0	0.06	0.00	100.00	100.00	100.00	93.00	100.00	100.00	
	BSNL	2.00	1.93	97.33	0.83	1.80	1.23	2.87	96.17	0	0.00	0.00	100.00	100.00	100.00	18.30	100.00	100.00	
	Idea	0.37	0.00	98.30	0.39	0.98	1.21	2.59	95.28	0	0.00	0.00	100.00	100.00	98.55	99.19	100.00	100.00	
RCOM CDMA	0.10	0.00	99.17	0.00	0.01	0.06	0.25	99.78	0	0.08	0.09	100.00	100.00	99.27	94.12	100.00	100.00		
RTL	0.23	0.59	98.69	0.09	0.06	0.64	0.05	98.02	0	0.07	0.10	100.00	100.00	98.98	74.38	100.00	100.00		
TATA CDMA	0.00	0.00	98.72	0.00	0.07	0.14	0.00	98.22	0	0.00	0.00	100.00	100.00	96.53	95.26	100.00	100.00		
TATA GSM	0.00	0.00	99.21	0.00	0.00	1.40	0.00	98.16	0	0.00	0.00	100.00	100.00	99.34	98.26	100.00	100.00		
Vodafone	0.04	0.00	98.19	0.00	0.09	0.63	1.96	98.39	0	0.01	0.00	100.00	100.00	100.00	99.97	100.00	100.00		

Annexure 4.1 (Contd.)

HR	Aircel	0.47	0.00	98.09	0.37	0.00	1.28	17.46	99.38	0	0.00	0.00	100.00	100.00	96.87	94.47	100.00	100.00
	Airtel	0.08	0.04	99.18	0.18	0.20	0.38	0.86	99.14	0	0.16	0.01	100.00	100.00	99.00	94.00	100.00	100.00
	BSNL	1.07	1.43	98.00	0.40	0.80	1.03	0.70	97.00	2	0.07	0.02	100.00	100.00	100.00	25.00	100.00	100.00
	Idea	0.00	0.00	99.98	0.48	0.73	0.70	2.22	97.82	0	0.10	0.00	100.00	100.00	100.00	98.63	100.00	100.00
	RCOM CDMA	0.15	0.17	98.82	0.00	0.04	0.05	0.14	99.75	0	0.09	0.10	100.00	100.00	99.06	94.73	100.00	100.00
	RCOM GSM	0.17	0.17	99.53	0.04	0.02	0.25	0.04	99.18	0	0.08	0.10	100.00	100.00	98.90	93.25	100.00	100.00
	TATA CDMA	0.04	0.00	97.73	0.00	0.89	0.47	1.59	96.91	0	0.00	0.00	100.00	100.00	97.08	95.73	100.00	100.00
	TATA GSM	0.08	0.20	98.56	0.06	0.54	0.62	0.71	97.68	0	0.00	0.00	100.00	100.00	99.19	88.14	100.00	100.00
	Videocon	0.14	0.23	98.63	0.09	0.13	0.57	0.76	98.30	0	NA	0.00	100.00	100	96.17	91.29	NA	NA
Vodafone	0.06	0.11	99.65	0.11	0.35	0.74	0.70	97.72	0	0.01	0.00	100.00	100.00	100.00	98.36	100.00	100.00	
J&K	Aircel	0.72	3.60	97.38	0.41	1.89	1.07	2.55	95.11	0	0.00	0.00	100.00	100.00	94.75	92.50	100.00	100.00
	Airtel	0.11	0.15	99.00	0.14	0.21	0.48	1.02	98.44	0	0.03	0.00	100.00	100.00	100.00	92.00	100.00	100.00
	BSNL	1.03	1.50	98.00	0.80	1.27	1.47	1.80	98.00	0	0.00	0.00	100.00	100.00	100.00	7.00	100.00	100.00
	Idea	0.27	1.49	98.85	0.13	0.32	1.22	2.36	95.49	0	0.01	0.00	100.00	100.00	95.66	96.61	100.00	100.00
	RCOM GSM	0.31	1.26	99.57	0.05	0.05	0.40	0.05	98.95	0	0.09	0.10	100.00	100.00	98.71	92.87	100.00	100.00
	Vodafone	0.08	0.35	98.30	0.01	0.31	0.60	2.62	98.50	0	0.05	0.00	100.00	100.00	100.00	98.28	100.00	100.00
KOL	Aircel	0.57	1.83	98.03	0.65	0.88	0.74	0.91	97.52	0	0.01	0.26	99.99	100.00	97.17	77.11	100.00	100.00
	Airtel	0.02	0.01	99.64	0.05	0.07	0.67	0.20	97.44	0	0.01	0.00	100.00	100.00	100.00	93.00	100.00	100.00
	BSNL	0.91	1.99	99.19	0.36	0.88	0.51	2.44	66.50	0	0.10	1.10	100.00	100.00	84.00	72.00	100.00	100.00
	Idea	0.13	0.23	99.61	0.06	0.04	0.31	0.94	97.60	0	0.17	0.00	100.00	100.00	99.48	95.57	100.00	44.59
	MTS	0.15	0.00	99.79	0.00	0.02	0.54	0.81	99.96	0	0.05	0.03	100.00	100.00	100.00	91.00	100.00	100.00
	RCOM CDMA	0.09	0.07	99.39	0.00	0.01	0.06	0.14	99.76	0	0.10	0.10	100.00	100.00	99.35	70.48	100.00	100.00
	RTL	0.12	0.20	99.30	0.01	0.01	0.41	0.03	98.29	0	0.09	0.10	100.00	100.00	98.92	94.03	100.00	100.00
	TATA CDMA	0.11	0.00	98.76	0.00	0.03	0.93	0.80	99.21	0	0.00	0.00	100.00	100.00	98.99	96.94	100.00	100.00
	TATA GSM	0.01	0.06	98.53	0.04	0.05	0.70	1.27	98.17	0	0.00	0.00	100.00	100.00	98.79	92.65	100.00	100.00
	Vodafone	0.03	0.05	99.58	0.05	0.42	0.81	2.58	97.58	0	0.01	0.01	100.00	100.00	100.00	95.06	100.00	100.00
KR	Aircel	0.46	0.00	99.90	0.00	0.00	0.86	8.78	98.85	0	0.00	0.00	100.00	100.00	96.58	93.37	100.00	100.00
	Airtel	0.02	0.01	99.76	0.10	0.08	0.22	0.71	99.73	0	0.02	0.01	100.00	100.00	100.00	91.00	100.00	100.00
	BSNL	0.31	0.47	98.00	0.40	1.99	0.60	1.47	99.90	0	0.03	0.02	100.00	100.00	100.00	96.84	100.00	100.00
	Idea	0.05	0.18	99.96	0.34	0.65	0.49	1.35	95.78	0	0.09	0.00	100.00	100.00	99.00	98.74	100.00	98.48
	MTS	0.04	0.00	99.63	0.00	0.03	0.54	2.38	98.62	0	0.00	0.04	100.00	100.00	99.21	92.30	NA	NA
	RCOM CDMA	0.06	0.03	99.39	0.00	0.00	0.02	0.11	99.75	0	0.08	0.02	100.00	100.00	98.26	87.27	100.00	100.00
	RCOM GSM	0.05	0.00	99.75	0.02	0.08	0.19	0.05	99.24	0	0.08	0.10	100.00	100.00	98.67	78.22	100.00	100.00
	TATA CDMA	0.02	0.00	98.96	0.00	0.03	0.64	1.70	99.13	0	0.00	0.00	100.00	100.00	99.50	95.58	100.00	100.00
	TATA GSM	0.02	0.00	98.96	0.01	0.03	0.51	0.73	98.39	0	0.00	0.00	100.00	100.00	99.15	95.04	100.00	100.00
	Vodafone	0.01	0.01	99.19	0.19	0.82	0.54	0.52	97.51	0	0.06	0.00	100.00	100.00	100.00	94.49	100.00	100.00

Annexure 4.1 (Contd.)

KTK	Aircel	0.07	0.11	99.36	0.05	0.12	1.17	3.29	97.09	0	0.00	0.00	100.00	100.00	92.53	88.84	100.00	100.00
	Airtel	0.45	1.71	98.64	0.39	0.43	0.59	0.71	99.13	0	0.02	0.00	100.00	100.00	100.00	95.00	99.99	100.00
	BSNL	1.10	1.87	98.00	0.30	0.63	1.07	2.23	98.03	0	0.00	0.10	100.00	100.00	99.00	94.20	100.00	100.00
	Idea	0.06	0.16	97.79	0.47	0.45	0.75	1.75	96.70	0	0.02	0.00	100.00	100.00	99.52	98.94	100.00	100.00
	MTS	0.17	0.00	99.08	0.00	0.30	0.49	0.52	98.51	0	0.03	0.00	100.00	100.00	99.94	81.96	100.00	100.00
	RCOM CDMA	0.36	0.99	98.86	0.00	0.01	0.10	0.11	99.77	0	0.09	0.06	100.00	100.00	97.93	69.71	100.00	100.00
	RCOM GSM	0.27	0.87	99.68	0.03	0.07	0.32	0.03	98.97	0	0.09	0.10	100.00	100.00	98.76	35.96	100.00	100.00
	TATA CDMA	0.05	0.00	98.78	0.00	0.02	0.70	0.52	98.29	0	0.00	0.00	100.00	100.00	99.18	95.86	100.00	100.00
TATA GSM	0.06	0.04	98.62	0.05	0.16	0.64	2.32	98.16	0	0.00	0.00	100.00	100.00	99.49	93.16	100.00	100.00	
Vodafone	0.27	1.41	99.71	0.13	0.29	0.56	1.87	98.83	0	0.09	0.07	100.00	100.00	100.00	90.22	100.00	100.00	
MBI	Aircel	0.06	0.09	98.23	0.09	0.29	0.58	2.06	97.72	0	0.00	0.01	100.00	100.00	98.25	89.68	100.00	100.00
	Airtel	0.00	0.00	99.99	0.00	0.00	0.29	0.00	99.97	0	0.02	0.01	100.00	100.00	100.00	92.00	100.00	100.00
	Idea	0.05	0.17	98.04	0.60	1.20	1.93	2.83	97.56	0	0.04	0.00	100.00	100.00	100.00	97.65	100.00	100.00
	Loop Mobile	0.01	0.00	99.27	0.02	0.02	0.61	0.74	98.46	0	0.01	0.01	100.00	100.00	99.27	99.09	100.00	100.00
	RCOM CDMA	0.24	0.07	98.82	0.00	0.01	0.42	0.09	99.79	0	0.10	0.05	100.00	100.00	99.30	85.34	100.00	100.00
	RCOM GSM	0.17	0.11	99.62	0.03	0.07	0.66	0.02	98.99	0	0.10	0.10	100.00	100.00	99.07	72.71	100.00	100.00
MH	Aircel	0.07	0.31	99.52	0.06	0.12	0.70	1.42	97.28	0	0.00	0.01	100.00	100.00	82.12	76.25	100.00	100.00
	Airtel	0.01	0.00	99.89	0.03	0.06	0.41	0.15	98.97	0	0.02	0.01	100.00	100.00	100.00	94.00	100.00	100.00
	BSNL	1.91	1.83	95.36	0.78	1.86	1.77	2.81	95.68	0	0.06	0.09	100.00	100.00	100.00	73.70	100.00	100.00
	Idea	0.23	1.69	98.54	0.76	0.86	1.00	1.84	97.54	0	0.08	0.00	100.00	100.00	99.06	99.04	100.00	100.00
	RCOM CDMA	0.16	0.22	98.52	0.00	0.02	0.16	0.66	99.80	0	0.10	0.08	100.00	100.00	99.32	75.70	100.00	100.00
	RCOM GSM	0.27	0.75	99.58	0.04	0.05	0.32	0.01	98.85	0	0.09	0.10	100.00	100.00	98.74	79.85	100.00	100.00
	TATA CDMA	0.02	0.00	97.94	0.00	0.84	0.95	2.02	99.13	0	0.00	0.00	100.00	100.00	98.90	96.38	100.00	100.00
	TATA GSM	0.02	0.00	99.43	0.08	0.13	0.67	2.69	98.10	0	0.00	0.00	100.00	100.00	98.95	95.65	100.00	100.00
	Uninor	0.16	0.67	97.28	0.49	1.84	0.50	1.70	97.50	0	NA	0.02	100.00	NA	96.16	91.41	NA	NA
	Vodafone	0.20	1.29	99.19	0.31	0.81	0.70	2.79	97.47	0	0.06	0.03	100.00	99.66	99.99	91.61	100.00	100.00
MP	Aircel	0.41	1.04	98.77	0.25	0.00	0.68	10.85	99.20	0	0.00	0.00	100.00	100.00	95.25	99.22	100.00	100.00
	Airtel	0.11	0.16	99.41	0.09	0.33	0.91	0.95	95.67	0	0.01	0.01	100.00	100.00	100.00	93.00	100.00	100.00
	BSNL	1.62	1.63	96.00	0.63	1.80	1.47	2.58	98.18	0	0.00	0.00	100.00	100.00	99.00	93.70	100.00	100.00
	RCOM CDMA	0.33	0.51	99.28	0.00	0.00	0.07	0.22	99.84	0	0.09	0.10	100.00	100.00	98.67	89.88	100.00	100.00
	RTL	0.19	0.39	98.64	0.08	0.19	0.56	0.01	97.90	0	0.10	0.10	100.00	100.00	98.98	97.02	100.00	100.00
	TATA CDMA	0.02	0.00	99.05	0.00	0.09	0.49	1.50	99.17	0	0.00	0.00	100.00	100.00	97.95	94.24	100.00	100.00
	TATA GSM	0.00	0.00	98.56	0.03	0.03	0.67	1.61	98.34	0	0.00	0.00	100.00	100.00	99.18	93.33	100.00	100.00
	Videcon	0.23	0.94	98.77	0.13	0.15	0.61	1.22	98.43	0	NA	0.01	100.00	100	95.67	90.86	NA	NA
	Vodafone	0.07	0.03	99.62	0.11	0.38	0.69	1.83	98.97	0	0.09	0.03	100.00	100.00	100.00	96.56	100.00	100.00
	Idea	1.27	1.90	98.30	0.52	0.98	0.95	1.23	98.70	0	0.07	0.00	100.00	100.00	98.69	97.07	100.00	100.00
MUM	MTNL CDMA	0.03	1.18	98.80	0.83	0.01	1.19	1.01	97.44	0	NR	NR	NR	NR	NR	NR	NR	NR
	MTNL GSM	0.46	1.04	98.91	0.48	0.46	0.94	1.36	98.37	0	0.03	0.01	100.00	100.00	95.81	95.81	100.00	100.00
	TATA CDMA	0.01	0.00	98.93	0.00	0.04	0.61	0.78	99.12	0	0.00	0.00	100.00	100.00	99.63	96.05	100.00	100.00
	TATA GSM	0.01	0.00	99.51	0.10	0.18	0.65	1.27	98.45	0	0.00	0.00	100.00	100.00	99.40	95.20	100.00	100.00
Vodafone	0.00	0.00	99.49	0.07	0.51	0.87	2.78	97.58	0	0.06	0.00	100.00	100.00	99.96	94.31	100.00	100.00	

Annexure 4.1 (Contd.)

NE	Aircel	2.97	21.39	94.08	0.93	1.85	1.64	20.93	92.52	0	0.01	0.01	100.00	100.00	97.36	90.64	100.00	100.00
	Airtel	0.35	1.03	97.00	0.60	0.55	1.05	0.97	98.83	0	0.00	0.01	100.00	100.00	100.00	92.00	100.00	100.00
	BSNL	5.52	17.05	94.67	3.55	4.53	4.50	10.40	93.68	0	0.05	0.05	100.00	100.00	95.00	97.05	100.00	100.00
	Idea	1.67	1.03	98.09	0.18	1.31	1.72	2.33	96.45	0	0.02	0.00	100.00	100.00	97.07	98.79	100.00	100.00
	RTL	0.41	1.20	98.43	0.02	0.50	0.64	0.06	98.40	0	0.07	0.10	100.00	100.00	98.75	86.20	100.00	100.00
	Vodafone	1.59	1.88	99.27	0.23	0.73	0.69	2.58	98.18	0	0.09	0.01	100.00	100.00	100.00	95.92	100.00	100.00
OR	Aircel	0.39	1.74	98.84	0.54	0.88	1.13	2.67	95.45	0	0.00	0.00	100.00	100.00	89.46	94.09	100.00	100.00
	Airtel	0.14	0.66	98.72	0.38	0.90	0.86	0.95	96.12	0	0.01	0.00	100.00	100.00	100.00	89.00	100.00	100.00
	BSNL	0.40	0.97	98.00	0.67	1.80	1.77	2.90	98.00	0	0.00	0.00	100.00	100.00	99.00	98.40	100.00	100.00
	Idea	0.20	0.57	99.29	0.27	0.18	0.41	1.07	96.52	0	0.05	0.00	100.00	100.00	98.48	98.37	100.00	100.00
	RCOM CDMA	0.27	0.32	99.46	0.00	0.00	0.11	1.22	99.81	0	0.07	0.06	100.00	100.00	98.75	93.09	100.00	100.00
	RTL	0.04	0.05	98.32	0.08	0.69	0.54	0.02	98.24	0	0.08	0.10	100.00	100.00	98.95	88.78	100.00	100.00
	TATA CDMA	0.02	0.00	98.75	0.00	0.12	0.58	1.04	98.25	0	0.00	0.00	100.00	100.00	99.02	95.82	100.00	100.00
	TATA GSM	0.02	0.02	99.10	0.07	0.29	0.39	0.24	97.88	0	0.00	0.00	100.00	100.00	96.39	94.28	100.00	100.00
	Vodafone	0.13	0.32	99.42	0.28	0.58	0.64	2.19	98.43	0	0.01	0.05	100.00	100.00	100.00	97.67	100.00	100.00
PB	Aircel	0.11	0.06	98.37	0.02	0.09	0.81	1.20	97.87	0	0.00	0.06	100.00	100.00	99.35	92.39	100.00	100.00
	Airtel	0.05	0.06	99.36	0.07	0.14	0.48	0.82	98.62	0	0.05	0.00	100.00	100.00	100.00	93.00	100.00	100.00
	BSNL	0.29	1.75	96.82	0.99	1.26	1.57	9.93	95.83	0	0.06	0.01	100.00	NR	100.00	14.00	100.00	100.00
	Idea	0.04	0.01	98.36	0.09	0.27	0.55	0.61	97.56	0	0.04	0.00	100.00	100.00	99.91	98.42	100.00	100.00
	QTL CDMA	0.54	0.00	98.50	0.59	1.47	0.82	0.27	97.63	0	0.00	0.00	100.00	100.00	97.00	90.00	100.00	100.00
	QTL GSM	0.05	0.02	97.81	0.05	0.30	0.94	1.07	97.70	0	NA	0.00	100.00	100.00	95.74	91.49	NA	NA
	RCOM CDMA	0.09	0.00	98.94	0.00	0.00	0.01	0.06	99.70	0	0.09	0.10	100.00	100.00	98.94	92.52	100.00	100.00
	RCOM GSM	0.10	0.10	99.68	0.03	0.03	0.28	0.03	99.04	0	0.09	0.10	100.00	100.00	98.95	89.31	100.00	100.00
	TATA CDMA	0.01	0.00	98.63	0.00	0.22	0.50	0.90	99.02	0	0.00	0.00	100.00	100.00	98.18	95.46	100.00	100.00
	TATA GSM	0.05	0.06	99.16	0.02	0.07	0.54	1.05	97.75	0	0.00	0.00	100.00	100.00	99.12	92.69	100.00	100.00
RAJ	Vodafone	0.03	0.06	99.76	0.02	0.24	0.57	0.76	98.08	0	0.02	0.00	100.00	100.00	100.00	98.97	100.00	100.00
	Aircel	0.10	0.16	97.14	0.24	0.69	0.66	1.07	97.52	0	0.01	0.00	100.00	100.00	93.34	85.83	100.00	100.00
	Airtel	0.06	0.17	99.05	0.16	0.32	0.81	1.20	99.03	0	0.02	0.00	100.00	100.00	100.00	94.00	100.00	100.00
	BSNL	1.87	1.87	99.00	0.53	1.30	1.50	2.80	98.30	0	0.00	0.10	100.00	100.00	98.00	94.00	100.00	100.00
	RCOM CDMA	0.27	0.60	98.95	0.00	0.00	0.07	0.30	99.72	0	0.09	0.10	100.00	100.00	98.44	94.33	100.00	100.00
	RCOM GSM	0.16	0.17	99.62	0.05	0.07	0.36	0.11	98.71	0	0.08	0.10	100.00	100.00	99.00	91.08	100.00	100.00
	TATA CDMA	0.04	0.00	97.83	0.00	1.06	0.72	2.90	98.89	0	0.00	0.00	100.00	100.00	96.97	96.19	100.00	100.00
	TATA GSM	0.07	0.00	98.55	0.04	0.06	0.65	1.09	98.65	0	0.00	0.00	100.00	100.00	99.23	94.63	100.00	100.00
	Idea	0.07	0.04	99.02	0.23	0.53	1.41	2.27	95.44	0	0.05	0.00	100.00	100.00	98.49	96.66	100.00	100.00
	MTS	0.08	0.00	98.86	0.00	0.41	0.72	1.57	99.11	0	0.08	0.06	100.00	100.00	99.40	97.17	100.00	100.00
	Vodafone	0.02	0.11	99.77	0.08	0.23	0.70	0.65	97.41	0	0.08	0.03	100.00	100.00	100.00	94.41	100.00	100.00

Annexure 4.1 (Contd.)

TN	Aircel	0.30	1.55	98.84	0.47	0.72	0.99	2.92	95.09	0	0.00	0.01	100.00	100.00	96.36	90.95	100.00	100.00
	Airtel	0.01	0.01	99.80	0.10	0.03	0.18	0.16	99.70	0	0.03	0.00	100.00	100.00	100.00	92.00	100.00	100.00
	BSNL	0.45	1.04	98.38	0.09	0.16	0.51	1.45	99.00	0	0.05	0.01	100.00	100.00	99.91	82.00	100.00	100.00
	Idea	0.02	0.00	99.71	0.10	0.14	0.36	0.33	97.67	0	0.04	0.00	100.00	100.00	99.43	99.14	100.00	100.00
	MTS	0.04	0.00	99.49	0.00	0.05	0.40	0.07	98.48	0	0.00	0.03	100.00	100.00	97.82	94.74	100.00	100.00
	RCOM CDMA	0.19	0.11	99.15	0.00	0.00	0.04	0.07	99.78	0	0.10	0.05	100.00	100.00	97.54	86.11	100.00	100.00
	RCOM GSM	0.15	0.13	98.90	0.07	0.05	0.36	0.02	98.87	0	0.10	0.10	100.00	100.00	98.93	45.33	100.00	100.00
	TATA CDMA	0.04	0.00	99.04	0.00	0.05	0.42	2.67	98.81	0	0.00	0.00	100.00	100.00	99.23	96.66	100.00	100.00
	TATA GSM	0.05	0.01	98.63	0.12	0.13	0.48	1.10	98.49	0	0.00	0.00	100.00	100.00	99.29	91.60	100.00	100.00
Vodafone	0.03	0.22	99.64	0.12	0.36	0.66	0.99	97.79	0	0.04	0.04	100.00	100.00	100.00	93.49	100.00	100.00	
UPE	Aircel	0.27	1.36	98.72	0.76	0.45	0.61	0.77	96.94	0	0.00	0.00	100.00	100.00	73.94	90.07	100.00	100.00
	Airtel	0.61	0.96	99.43	0.11	0.44	0.70	2.68	98.68	0	0.01	0.00	100.00	100.00	100.00	90.00	100.00	100.00
	BSNL	1.15	1.10	97.33	0.77	1.70	1.40	2.67	97.00	0	0.07	0.06	100.00	100.00	98.00	92.00	100.00	100.00
	Idea	0.18	0.57	98.47	0.66	1.49	0.93	2.74	96.87	0	0.06	0.00	100.00	100.00	99.99	99.39	100.00	83.01
	RCOM CDMA	0.23	0.62	98.28	0.00	0.02	0.19	0.73	99.77	0	0.10	0.10	100.00	100.00	97.75	89.18	100.00	100.00
	RCOM GSM	0.15	0.27	99.44	0.07	0.06	0.29	0.03	98.81	0	0.09	0.10	100.00	100.00	99.23	90.62	100.00	100.00
	TATA CDMA	0.04	0.00	98.26	0.00	0.16	0.50	2.95	99.02	0	0.00	0.00	100.00	100.00	99.20	97.15	100.00	100.00
	TATA GSM	0.00	0.00	98.29	0.11	0.57	0.79	1.67	97.68	0	0.00	0.00	100.00	100.00	99.31	95.15	100.00	100.00
	Uninor	0.28	1.52	97.30	0.64	1.73	0.71	2.11	93.12	0	NA	0.01	100.00	NA	95.83	93.54	NA	NA
Vodafone	0.28	1.35	99.54	0.16	0.46	1.04	2.11	96.46	0	0.06	0.02	100.00	100.00	100.00	92.20	100.00	100.00	
UPW	Aircel	0.17	1.01	99.29	0.36	0.25	0.55	2.10	97.81	0	0.00	0.00	100.00	100.00	82.87	94.74	100.00	100.00
	Airtel	0.16	0.32	97.84	0.52	1.20	1.20	2.02	97.49	0	0.03	0.00	100.00	100.00	100.00	92.00	100.00	100.00
	BSNL	1.03	1.83	97.20	0.64	1.43	1.16	2.14	96.85	0	0.00	0.00	100.00	100.00	97.50	43.00	100.00	100.00
	MTS	0.04	0.00	99.61	0.00	0.00	0.39	1.14	99.22	0	0.03	0.10	100.00	100.00	96.51	97.32	100.00	100.00
	Idea	0.04	0.12	99.98	0.61	0.96	0.87	2.42	96.18	0	0.04	0.00	100.00	100.00	99.56	97.67	100.00	100.00
	RCOM CDMA	0.23	0.66	98.86	0.00	0.00	0.17	0.56	99.78	0	0.09	0.10	100.00	100.00	97.85	91.51	100.00	100.00
	RCOM GSM	0.20	0.63	99.63	0.04	0.03	0.26	0.02	98.90	0	0.08	0.10	100.00	100.00	98.84	91.39	100.00	100.00
	TATA CDMA	0.04	0.00	99.02	0.00	0.13	0.45	0.23	98.93	0	0.00	0.00	100.00	100.00	99.14	96.41	100.00	100.00
	TATA GSM	0.10	0.25	98.93	0.04	0.17	0.75	2.03	97.96	0	0.00	0.00	100.00	100.00	99.35	90.71	100.00	100.00
Uninor	0.16	0.36	97.63	0.31	1.77	0.51	1.69	94.65	0	NA	0.03	100.00	NA	96.26	95.93	NA	NA	
Vodafone	0.17	1.00	99.21	0.16	0.79	0.74	1.10	97.75	0	0.06	0.02	100.00	100.00	100.00	97.44	100.00	100.00	
WB	Aircel	0.94	1.88	96.84	0.76	1.94	1.44	2.50	95.52	0	0.00	0.31	100.00	100.00	90.61	86.49	100.00	100.00
	Airtel	0.04	0.05	98.73	0.29	1.34	1.24	1.57	95.65	0	0.01	0.00	100.00	100.00	100.00	94.00	100.00	100.00
	BSNL	2.33	12.13	98.00	0.42	0.70	1.03	2.72	96.05	0	0.04	0.54	100.00	100.00	100.00	55.50	91.26	100.00
	Idea	0.28	0.97	98.65	0.11	0.40	0.42	1.97	96.20	0	0.10	0.00	100.00	100.00	99.54	95.93	100.00	78.18
	MTS	0.19	0.00	99.33	0.00	0.30	0.94	2.33	99.73	0	0.06	0.03	100.00	100.00	100.00	90.00	100.00	100.00
	RCOM CDMA	0.29	0.79	99.10	0.00	0.01	0.13	0.28	99.68	0	0.07	0.10	100.00	100.00	99.28	70.48	100.00	100.00
	RTL	0.24	0.66	98.53	0.02	0.16	0.64	0.04	98.24	0	0.07	0.10	100.00	100.00	98.98	94.96	100.00	100.00
	TATA CDMA	0.02	0.00	98.37	0.00	0.18	0.76	0.88	97.95	0	0.00	0.00	100.00	100.00	99.37	99.17	100.00	100.00
	TATA GSM	0.00	0.00	98.59	0.05	0.44	0.67	0.96	98.00	0	0.00	0.00	100.00	100.00	96.38	94.66	100.00	100.00
Vodafone	0.01	0.01	99.48	0.14	0.52	0.85	1.20	95.60	0	0.02	0.02	100.00	100.00	100.00	93.75	100.00	100.00	

Note: NA : Not Applicable

NR : Not Reported

RCOM CDMA & RCOM GSM : CN included in TN for Network Related parameters only

RCOM GSM : Percentage of calls answered by the operators has been reported combined for TN and CH for customer related parameters only.

RCOM CDMA : Percentage of calls answered by the operators has been reported combined for TN and CH for customer related parameters only.

Percentage of calls answered by the operators has been reported combined for WB and KOL for customer related parameters only.

Annexure 4.2: Performance of QoS Parameters for Cellular Mobile 3G Service

Performance Monitoring Report on Quality of Service of Cellular Mobile Service Providers for quarter ending, March 2014.										
Name of the Service Area	Name of Service Providers	Network Availability		Connection Establishment (Accessibility)			Connection Maintenance (Retainability)			POI
		Node-B's Accumulated downtime (not available for service) (%age)	Worst affected Node-B's due to downtime (%age)	Call Set-up Success Rate (within licensee's own network)	SDCCH/Paging Channel and RRC Congestion (%age)	TCH and Circuit Switched RAB Congestion (%age)	Call Drop and Circuit Switched Voice Drop Rate: (%age)	Worst affected cells having more than 3% TCH drop (call drop) and Circuit Switched Voice Drop Rate:-CBBH	Connections with good voice quality and Circuit Switch Voice Quality (CSV quality)	Point of Interconnection (POI) Congestion
		1	2	3	4	5	6	7	8	9
Benchmark		≤ 2%	≤ 2%	≥ 95%	≤ 1%	≤ 2%	≤ 2%	≤ 3%	≥ 95%	≤ 0.5%
AP	Aircel	0.09	0.00	99.19	0.48	0.34	0.59	2.22	99.76	0
	Airtel	0.10	0.21	98.68	0.45	0.00	0.65	2.52	99.10	0
	BSNL	0.87	1.93	99.00	0.80	0.27	0.57	2.80	99.80	0
	Idea	0.01	0.00	99.71	0.02	0.04	0.38	0.55	99.80	0
AS	Aircel	0.81	5.10	98.00	0.54	0.10	1.09	9.84	99.72	0
	Airtel	0.11	0.30	97.97	0.90	0.21	0.69	1.19	99.15	0
	BSNL	1.83	1.93	95.67	0.00	0.00	1.03	2.83	90.43	0
	RTL	0.48	1.32	96.44	0.03	0.00	0.64	1.89	99.84	0
BH	Aircel	0.48	2.97	98.83	0.56	0.12	0.68	9.55	99.70	0
	Airtel	0.01	0.68	99.47	0.04	0.06	0.57	0.22	99.62	0
	BSNL	5.10	3.93	99.00	0.57	0.67	0.83	3.83	96.07	0
	RTL	0.27	1.38	96.63	0.04	0.06	0.59	2.34	99.83	0
CHN	Aircel	0.92	4.79	94.97	0.57	0.64	1.22	6.93	97.82	0
	Airtel	0.06	0.06	99.55	0.05	0.37	0.35	0.70	99.20	0
	BSNL	0.77	1.93	97.67	0.37	0.90	0.93	1.83	97.23	0
	Vodafone	0.04	0.06	99.75	0.36	0.06	0.31	0.58	99.01	0
DLI	Airtel	0.17	0.92	97.70	0.29	0.23	0.64	2.31	99.06	0
	MTNL	0.73	1.17	96.17	0.43	1.47	1.40	1.67	96.30	0
	RCOM	0.35	1.44	98.92	0.04	0.24	0.42	2.08	100	0
	Vodafone	0.04	0.00	98.28	0.00	0.00	0.69	2.91	99.10	0
GJ	BSNL	1.59	1.79	96.23	0.50	1.09	1.40	2.35	100.00	0
	Idea	0.03	0.00	99.57	0.61	0.27	0.55	1.69	99.07	0
	Tata	0.00	0.00	98.53	0.12	0.83	0.57	0.66	99.72	0
	Vodafone	0.01	0.00	99.70	0.28	0.10	0.22	0.17	99.02	0
HP	Airtel	0.08	0.00	98.43	0.35	0.00	1.32	2.22	98.82	0
	BSNL	1.77	1.33	96.33	0.93	1.87	1.80	2.73	96.40	0
	Idea	0.45	0.00	99.56	0.30	0.11	1.52	2.34	98.81	0
	RTL	0.91	1.37	98.41	0.00	0.00	0.42	1.53	99.91	0

Annexure 4.2 (Contd.)

HR	BSNL	1.77	1.07	96.66	0.80	1.14	1.61	2.23	96.81	2
	Idea	0.00	0.00	99.74	0.16	0.00	0.24	1.49	99.01	0
	Tata	0.14	0.43	98.92	0.35	0.10	0.26	0.48	99.14	0
	Vodafone	0.25	1.08	99.65	0.42	0.05	0.44	1.70	99.00	0
J &K	Aircel	0.39	2.37	98.73	0.14	0.03	1.70	5.02	99.02	0
	Airtel	0.20	0.42	99.05	0.11	0.00	1.13	1.83	98.93	0
	BSNL	1.27	1.67	97.33	0.70	1.37	1.43	2.57	98.67	0
	Idea	0.43	1.72	99.74	0.53	0.21	1.39	1.27	99.09	0
	RCOM	0.81	1.45	99.73	0.00	0.00	1.19	2.21	99	0
KOL	Aircel	0.56	1.56	99.70	0.24	0.02	0.26	0.90	99.15	0
	BSNL	1.95	1.79	99.11	0.74	0.76	0.49	2.29	99.23	0
	RTL	0.15	0.73	97.27	0.06	0.00	0.69	1.77	99.85	0
KR	Aircel	0.00	0.00	100.00	0.00	0.01	0.05	0.08	99.90	0
	BSNL	0.17	1.56	98.01	0.12	1.46	0.93	0.10	99.90	0
	Idea	0.04	0.01	99.29	0.76	0.53	0.26	1.78	98.68	0
	Tata	0.01	0.00	99.57	0.02	0.09	0.36	0.96	99.83	0
KTK	Aircel	0.12	0.24	98.69	0.77	0.58	0.75	2.60	99.74	0
	Airtel	0.02	0.00	98.93	0.08	0.27	0.35	0.72	99.73	0
	BSNL	0.87	1.87	98.33	0.30	0.40	1.03	1.90	98.47	0
	Tata	0.07	0.13	99.11	0.69	0.35	0.49	1.55	99.18	0
MBI	Airtel	0.01	0.00	99.98	0.00	0.00	0.18	0.07	99.90	0
	MTNL	0.43	1.47	98.83	0.10	0.43	1.27	2.40	99.10	0
	RCOM	0.39	1.31	97.62	0.07	0.36	0.47	2.23	100	0
	Vodafone	0.01	0.00	99.69	0.00	0.00	0.53	2.61	99.02	0
MH	BSNL	1.88	1.75	95.38	0.00	1.86	1.87	2.89	95.68	0
	Idea	0.06	0.08	99.94	0.41	0.22	1.02	2.61	98.84	0
	Tata	0.01	0.00	98.36	0.22	0.33	0.37	2.97	100.00	0
	Vodafone	0.05	0.15	99.43	0.71	0.28	0.39	1.18	98.98	0
MP	BSNL	1.60	1.24	97.00	0.47	0.83	1.17	2.50	98.70	0
	Idea	0.06	0.03	99.51	0.20	0.16	0.98	1.82	99.30	0
	RTL	0.34	1.55	96.60	0.22	0.07	0.59	2.19	99.82	0
	Tata	0.00	0.00	99.66	0.01	0.03	0.53	1.33	99.82	0
	Vodafone	0.04	0.02	99.85	0.05	0.01	0.29	0.98	99.08	0
NE	Aircel	2.53	16.89	97.76	0.36	0.17	1.58	22.95	99.14	0
	Airtel	1.26	1.30	97.52	0.46	1.48	1.27	1.07	99.11	0
	BSNL	1.73	1.87	97.00	0.93	1.90	1.10	2.80	97.80	0
	RTL	1.03	1.24	96.78	0.01	0.00	1.49	2.08	99.80	0

Annexure 4.2 (Contd.)

OR	Aircel	0.31	1.64	98.86	0.14	0.03	0.95	8.77	99.63	0
	BSNL	0.30	1.40	97.00	0.87	1.63	0.23	1.03	98.00	0
	RTL	0.27	0.99	97.05	0.20	0.01	0.64	1.73	99.83	0
PB	Aircel	0.17	0.00	98.86	0.31	0.00	0.73	20.38	97.12	0
	BSNL	0.20	1.20	96.30	0.93	1.94	1.77	2.97	99.92	0
	RCOM	0.29	1.59	98.03	0.08	0.53	0.26	2.06	100	0
	Tata	0.08	0.00	99.48	0.27	0.06	0.57	2.61	99.05	0
RJ	Airtel	0.07	0.03	99.26	0.09	0.11	0.59	1.93	99.12	0
	BSNL	1.93	1.93	99.00	0.00	0.00	1.37	2.90	98.30	0
	RCOM	0.40	1.26	97.50	0.22	0.60	0.26	2.04	100	0
	Tata	0.00	0.00	100.00	0.00	0.00	0.00	0.00	100.00	0
TN	Aircel	0.54	1.43	98.13	0.70	0.97	1.08	5.45	98.20	0
	Airtel	0.04	0.01	99.74	0.06	0.15	0.22	0.46	99.62	0
	BSNL	0.40	1.30	98.87	0.20	0.60	0.40	0.33	98.93	0
	Vodafone	0.02	0.00	99.78	0.02	0.02	0.32	0.82	99.10	0
UPE	Aircel	0.22	0.83	99.86	0.13	0.00	0.59	1.64	99.89	0
	BSNL	1.86	1.83	95.34	1.00	1.97	1.71	0.33	96.63	0
	Idea	0.54	0.95	99.11	0.02	0.00	0.30	2.90	99.08	0
	Vodafone	0.14	0.77	99.88	0.03	0.01	0.23	0.96	99.06	0
UPW	Airtel	0.25	0.70	98.97	0.16	0.00	0.81	2.41	98.98	0
	BSNL	1.26	1.75	98.24	0.76	1.07	1.30	2.84	98.18	0
	Idea	0.26	0.99	99.22	0.49	0.28	0.28	1.86	98.82	0
	Tata	0.12	0.47	99.64	0.23	0.03	0.27	0.42	99.26	0
WB	Aircel	0.43	1.73	99.80	0.22	0.00	0.67	2.67	98.59	0
	Airtel	0.10	0.49	99.55	0.03	0.25	0.49	2.29	99.63	0
	BSNL	0.10	1.35	96.33	0.20	0.30	1.19	1.60	97.90	0
	RTL	0.30	1.47	96.42	0.18	0.01	0.71	2.03	99.83	0
	Vodafone	0.00	0.00	99.86	0.00	0.02	0.31	1.07	99.03	0

Annexure 4.3: Performance of QoS Parameters for Basic (Wire-line) Service

Performance Monitoring Report of Basic Service (Wireline) for Quarter Ending March, 2014																				
Name of Service Area	Name of Service Provider	Faults incidences (No. of faults/ 100 Subs./month)	Fault Repair				Rent Rebate	Mean Time to Repair (MTTR)	Call Completion Rate (CCR)	Answer to Seizure Ratio	POI		Metering and Billing				Response time to the customer for Assistance		Termination / closure of service	
			% of faults repaired by next working day	% of faults repaired within 3 days	% of faults repaired within 5 days	Point of Interconnection (POI) Congestion (No. of POIs not meeting the benchmark					Metering and Billingcredibility - post paid	Metering and billing credibility - pre paid	Resolution of billing/charging/v alidity complaints	Period of applying credit/ waiver/ adjustment to customer's account from the date of resolution of complaints	Accessibility of call centre/ customer care	Percentage of calls answered by the operators (voice to voice) within 60 seconds	%age requests for Termination / Closure of service complied within 7 days	Time taken for refund of deposits after closures		
																			Benchmarks	
		≤5	By next working day: ≥ 90%	For urban areas: 100%	For rural and hilly areas: 100%			≤ 8 Hrs	≥ 55%	≥ 75 %	≤ 0.5%	≤ 0.1%	≤ 0.1%	100% within 4 weeks	1 week of resolution of complaint	≥ 95%	≥ 90%	100% within 7 days	100% within 60 days	
A&N	BSNL	2.00%	91.00%	100.00%	100.00%	5	7.00	64.00%	NA	NR	1.22%	0.00%	100.00%	100.00%	100.00%	96.00%	100.00%	100.00%	100.00%	
AP	Reliance	0.31%	100.00%	100.00%	NA	NA	4.11	NA	87.79%	0.00%	0.01%	NA	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%	100.00%	
	TTSL	4.53%	95.00%	100.00%	100.00%	NIL	4.24	90.87%	NA	NA	0.10%	NA	100.00%	NA	95.84%	90.01%	100.00%	100.00%	100.00%	
	Vodafone	0.10%	100.00%	NA	NA	NA	0:59	93.90%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	100.00%	NA	
	Bharti	2.02%	91.87%	100.00%	NA	0	3.55	98.64%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	95.00%	100.00%	100.00%	100.00%	
	BSNL	3.00%	91.00%	100.00%	100.00%	11	7.00	71.00%	NA	NR	0.02%	NIL	100.00%	100.00%	98.00%	91.00%	100.00%	100.00%	100.00%	
ASM	Vodafone	1.60%	97.92%	NA	NA	NA	1:23	93.87%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA	NA	
	BSNL	3.00%	97.00%	100.00%	100.00%	174	3.00	70.00%	NA	NR	0.05%	NIL	100.00%	100.00%	99.00%	92.00%	100.00%	100.00%	100.00%	
BH	Reliance	NIL	NA	NA	NA	NA	NIL	NA	96.57%	0.00%	NIL	NA	NIL	NIL	95.00%	95.00%	100.00%	100.00%	100.00%	
	TTSL	1.21%	95.12%	100.00%	100.00%	NIL	4.46	99.54%	NA	NA	0.03%	NA	100.00%	NA	98.75%	93.64%	NA	NA	NA	
	Vodafone	1.00%	100.00%	NA	NA	NA	0:47	94.54%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA	NA	
	BSNL	3.00%	95.00%	100.00%	100.00%	0	5.00	66.00%	NA	NR	0.00%	0.00%	100.00%	100.00%	99.00%	37.00%	100.00%	100.00%	100.00%	
Chattisgarh	BSNL	3.00%	98.00%	100.00%	100.00%	0	5.00	72.00%	NA	NR	0.37%	NA	100.00%	100.00%	96.00%	61.00%	100.00%	100.00%	100.00%	
CN	Reliance	0.04%	100.00%	100.00%	NA	NA	4.80	NA	87.56%	0.00%	0.01%	NA	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%	100.00%	
	TTSL	0.34%	100.00%	100.00%	100.00%	NIL	3.80	93.79%	NA	NA	0.04%	NA	100.00%	NA	99.03%	92.98%	100.00%	100.00%	100.00%	
	Vodafone	0.30%	100.00%	NA	NA	NA	1:05	93.64%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	100.00%	NA	
	BSNL	3.00%	97.00%	100.00%	100.00%	226	6.00	86.00%	NA	NR	0.00%	0.00%	100.00%	100.00%	98.00%	92.00%	100.00%	100.00%	100.00%	
DEL	Reliance	0.15%	100.00%	100.00%	NA	NA	4.12	NA	93.36%	0.00%	0.01%	NA	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%	100.00%	
	TTSL	1.34%	96.52%	100.00%	100.00%	NIL	2.94	92.89%	NA	NA	0.09%	NA	100.00%	NA	98.25%	92.06%	100.00%	100.00%	100.00%	
	Vodafone	0.20%	100.00%	NA	NA	NA	1:28	100.00%	NA	0.00%	0.00	NA	NA	NA	100.00%	100.00%	100.00%	100.00%	NA	
	Bharti	3.84%	93.78%	100.00%	NA	0	4.20	93.62%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	97.00%	100.00%	100.00%	100.00%	
	MTNL	7.84%	88.40%	95.70%	NA	15247	3.94	55.76%	NA	0.00%	0.04%	NA	100%	100%	99.90%	98.94%	100%	100%	100%	

Annexure 4.3 (Contd.)

GUJ	Reliance	0.75%	100.00%	100.00%	NA	NA	4.07	NA	86.72%	0.00%	0.03%	NA	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	2.63%	96.28%	100.00%	100.00%	NIL	3.79	99.68%	NA	NA	0.07%	NA	100.00%	NA	97.15%	90.01%	100.00%	100.00%
	Vodafone	0.30%	100.00%	NA	NA	NA	1:17	96.60%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	NA
	Bharti	0.88%	97.44%	100.00%	NA	0	3.42	94.18%	NA	0.00%	0.02%	NA	100.00%	100.00%	100.00%	95.00%	100.00%	100.00%
	BSNL	4.00%	96.00%	100.00%	100.00%	118	4.00	73.00%	NA	NR	0.03%	0.00%	100.00%	100.00%	97.00%	87.00%	100.00%	100.00%
HP	Reliance	NA	NA	NA	NA	NA	NA	NA	80.00%	0.00%	NIL	NA	NIL	NIL	95.00%	95.00%	100.00%	100.00%
	TTSL	NA	NA	NA	NA	NA	NA	100.00%	NA	NA	NA	NA	NA	NA	100.00%	95.99%	NA	NA
	BSNL	3.00%	94.00%	100.00%	100.00%	0	6.00	72.00%	NA	NR	0.00%	0.00%	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
HR	Vodafone	0.00%	100.00%	NA	NA	NA	0:00	93.76%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
	Reliance	NA	NA	NA	NA	NA	NA	NA	82.74%	0.00%	NIL	NA	NIL	NIL	95.00%	95.00%	100.00%	100.00%
	TTSL	NA	NA	NA	NA	NA	NA	91.99%	NA	NA	NA	NA	NA	NA	99.12%	NA	NA	NA
	Bharti	4.50%	95.68%	100.00%	NA	0	3.75	91.95%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	98.00%	100.00%	100.00%
	BSNL	5.00%	98.00%	100.00%	100.00%	567	6.00	77.00%	NA	NR	0.08%	NIL	100.00%	100.00%	96.00%	92.00%	100.00%	100.00%
J&K	BSNL	4.00%	96.00%	100.00%	100.00%	0	7.00	70.00%	NA	NR	0.00%	0.00%	100.00%	100.00%	96.00%	65.00%	100.00%	100.00%
JHAR	BSNL	3.00%	98.00%	100.00%	100.00%	27	6.00	75.00%	NA	NR	0.02%	NA	100.00%	100.00%	99.00%	98.00%	100.00%	100.00%
KER	Reliance	0.21%	100.00%	100.00%	NA	NA	4.32	NA	82.50%	0.00%	0.00%	NA	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	0.32%	100.00%	100.00%	100.00%	NIL	6.45	98.65%	NA	NA	0.03%	NA	100.00%	NA	98.97%	92.12%	100.00%	100.00%
	Bharti	1.19%	96.39%	100.00%	NA	0	2.39	98.58%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	97.00%	100.00%	100.00%
	BSNL	4.00%	94.00%	100.00%	100.00%	3E+06	6.00	74.00%	NA	NR	0.08%	0.00%	100.00%	100.00%	97.00%	69.00%	100.00%	100.00%
KOL	Vodafone	0.20%	100.00%	NA	NA	NA	0:59	69.63%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	NA
	Reliance	0.22%	100.00%	100.00%	NA	NA	4.13	NA	89.64%	0.00%	0.03%	NA	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	1.22%	98.74%	100.00%	100.00%	NIL	2.94	89.21%	NA	NA	0.02%	NA	100.00%	NA	99.91%	95.29%	100.00%	100.00%
	Bharti	2.84%	94.53%	100.00%	NA	0	4.25	98.80%	NA	0.00%	0.00%	NA	100.00%	100.00%	100.00%	96.00%	100.00%	100.00%
	BSNL	5.00%	92.00%	100.00%	100.00%	166	8.00	63.00%	NA	NR	0.00%	0.00%	100.00%	100.00%	99.00%	89.00%	100.00%	100.00%
KTK	Vodafone	0.30%	100.00%	NA	NA	NA	1:01	92.57%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	NA
	Reliance	0.06%	100.00%	100.00%	NA	NA	4.35	NA	87.03%	0.00%	0.01%	NA	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	0.81%	92.57%	100.00%	100.00%	NIL	3.94	85.28%	NA	NA	0.05%	NA	100.00%	NA	98.41%	90.85%	100.00%	100.00%
	Bharti	2.51%	90.43%	100.00%	NA	0	3.83	99.00%	NA	0.00%	0.02%	NA	100.00%	100.00%	100.00%	96.00%	100.00%	100.00%
	BSNL	4.00%	94.00%	100.00%	100.00%	1714	6.00	74.00%	NA	NR	0.07%	0.00%	100.00%	100.00%	97.00%	69.00%	100.00%	100.00%

Annexure 4.3 (Contd.)

MH	Bharti	0.87%	99.18%	100.00%	NA	0	2.47	83.22%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	94.00%	100.00%	100.00%
	BSNL	4.00%	91.00%	100.00%	100.00%	179	7.00	56.00%	NA	NR	0.02%	0.00%	100.00%	100.00%	95.00%	85.00%	100.00%	100.00%
	Reliance	0.26%	100.00%	100.00%	NA	NA	4.26	NA	87.24%	0.00%	0.00%	NA	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	Vodafone	0.50%	94.55%	NA	NA	NA	3:19	95.53%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
	TTSL	0.71%	94.97%	100.00%	100.00%	NIL	3:19	98.58%	NA	NA	0.06%	NA	100.00%	NA	95.00%	90.80%	100.00%	100.00%
MP	Vodafone	1.70%	100.00%	NA	NA	NA	0:30	96.30%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
	Reliance	0.64%	100.00%	100.00%	NA	NA	4.10	NA	87.45%	0.00%	0.01%	NA	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	1.44%	100.00%	100.00%	100.00%	NIL	1.70	84.66%	NA	NA	0.06%	NA	100.00%	NA	98.46%	90.80%	NA	NA
	Bharti	4.82%	93.47%	100.00%	NA	0	3.94	91.33%	NA	0.00%	0.01%	NA	100.00%	100.00%	100.00%	98.00%	100.00%	100.00%
	BSNL	4.00%	94.00%	100.00%	100.00%	5E+05	3.00	76.00%	NA	NR	0.08%	0.00%	100.00%	100.00%	96.00%	97.00%	100.00%	100.00%
MUM	Vodafone	0.10%	100.00%	NA	NA	NA	1:16	98.13%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	100.00%	NA
	Bharti	0.34%	98.26%	100.00%	NA	0	3.18	77.37%	NA	0.00%	0.00%	NA	100.00%	100.00%	100.00%	95.00%	100.00%	100.00%
	MTNL	4.12%	95.92%	98.65%	NA	18292	4.88	57.28%	80.64%	0.00%	0.02%	NIL	100.00%	NA	99.59%	99.57%	97.16%	100%
	Reliance	0.14%	100.00%	100.00%	NA	NA	4.12	NA	88.02%	0.00%	0.00%	NA	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	0.76%	94.00%	100.00%	100.00%	NIL	4.98	98.90%	NA	NA	0.10%	NA	100.00%	NA	95.01%	90.85%	100.00%	100.00%
NE	Vodafone	0.00%	100.00%	NA	NA	NA	0:00	99.41%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
NE-I	BSNL	3.00%	98.00%	100.00%	100.00%	4	6.00	79.00%	NA	NR	0.02%	0.00%	100.00%	100.00%	97.00%	93.00%	100.00%	100.00%
NE-II	BSNL	3.00%	98.00%	100.00%	100.00%	0	7.00	63.00%	NA	NR	0.01%	0.00%	100.00%	100.00%	97.00%	94.00%	100.00%	100.00%
OR	Reliance	NIL	NA	NA	NA	NA	NIL	NA	84.39%	0.00%	NIL	NA	NIL	NIL	95.00%	95.00%	100.00%	100.00%
	TTSL	0.87%	100.00%	100.00%	100.00%	NIL	1.41	99.98%	NA	NA	NA	NA	NA	NA	99.73%	95.25%	NA	NA
	BSNL	5.00%	93.00%	100.00%	100.00%	0	6.00	63.00%	NA	NR	0.09%	0.00%	100.00%	100.00%	99.00%	91.00%	100.00%	100.00%
	Vodafone	1.20%	100.00%	NA	NA	NA	1:00	97.40%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
PB	Vodafone	0.30%	100.00%	NA	NA	NA	0:00	95.34%	NA	0.00%	0.00%	NA	NA	NA	100.00%	100.00%	NA	NA
	Reliance	0.44%	100.00%	100.00%	NA	NA	4.16	NA	94.65%	0.00%	0.02%	NA	100.00%	100.00%	95.00%	95.00%	100.00%	100.00%
	TTSL	1.46%	94.12%	100.00%	100.00%	NIL	6.46	82.29%	NA	NA	NA	NA	NA	NA	98.67%	92.44%	100.00%	100.00%
	Bharti	2.20%	96.14%	100.00%	NA	0	3.88	95.82%	NA	0.00%	0.00%	NA	100.00%	100.00%	100.00%	98.00%	100.00%	100.00%
	Quadrant	3.40%	91.00%	100.00%	NA	0	7.99	55.61%	NA	0.00%	0.01%	NA	100.00%	100.00%	95.72%	92.00%	100.00%	100.00%
	BSNL	4.00%	97.00%	100.00%	100.00%	124	5.00	75.00%	NA	NR	0.05%	0.00%	100.00%	100.00%	96.00%	57.00%	100.00%	100.00%

Annexure 4.4: Quality of Service Performance of Broadband Service Providers

Performance Monitoring Report on Quality of Service of Service Providers providing broadband service for Quarter Ending March, 2014

Sl. No.	Service Provider	Service area	Service Provisioning	Faults Repair		Billing Performance				Response Time to the Customer for assistance		Bandwidth utilisation/throughput				Service availability /uptime (for all users) in %age	Packet Loss	Network latency (for wired broadband access)			
			%age of connections provided within 15 days of registration of demand	% of faults repaired by next working day (>90%)	% of faults repaired within 3 working day	Rent Rebate	%age of bills disputed	%age of billing complaints resolved within 4 weeks	%age of cases to whom refund of deposits is made within 60 days of	%age of calls answered by operator (Voice to voice) within 60	%age of calls answered by operator (Voice to voice) within 90 sec	No. of Intra network links having Bandwidth utilisation >90% during peak	No. of Upstream links for International connectivity having bandwidth utilisation	% International bandwidth utilization during peak hours (TCBH)	Broadband Connection Speed available (download) from ISP node to user		Packet loss (for wired broadband access) in %age	User reference point at POP/ISP Gateway node to International nearest NAP port	User reference point at ISP Gateway node to International nearest NAP port	User reference point at ISP Gateway node to International nearest NAP port	
			100%	>90%	=>99%	in nos.	<2%	100%	100% within 60 days	>60%	>80%	0	0	<90%	>80%		>98%	<1%	<120 ms	<350 ms	<800 ms
1	BSNL	All India	100.00%	93.70%	99.62%	3951	0.07%	100.00%	100.00%	57.28%	62.92%	NA	4	80.50%	90.80%	99.93%	0.30%	33	216	0	
2	Bharti Airtel	Andhra Pradesh	100.00%	94.00%	100.00%	0	0.01%	100.00%	100.00%	93.00%	95.00%	0	0	66.31%	99.06%	99.99%	0.00%	38	52	NA	
		Delhi	100.00%	94.92%	99.38%	627	0.01%	100.00%	100.00%	92.00%	94.00%	0	0	84.09%	109.00%	99.98%	0.00%	40	76	NA	
		Gujarat	100.00%	96.06%	99.28%	21	0.01%	100.00%	100.00%	91.00%	95.00%	0	NA	NA	103.20%	100.00%	0.01%	36	64	NA	
		Haryana	100.00%	97.41%	100.00%	0	0.01%	100.00%	100.00%	96.00%	98.00%	0	NA	NA	103.00%	100.00%	0.00%	32	76	NA	
		Karnataka	100.00%	90.74%	100.00%	0	0.01%	100.00%	100.00%	93.00%	96.00%	0	0	68.64%	101.32%	100.00%	0.00%	27	38	NA	
		Kerala	100.00%	94.00%	100.00%	0	0.02%	100.00%	100.00%	95.00%	96.00%	0	NA	NA	101.56%	100.00%	0.00%	43	25	NA	
		Kolkata	100.00%	96.31%	99.51%	33	0.01%	100.00%	100.00%	94.00%	96.00%	0	0	59.48%	112.00%	100.00%	0.00%	26	72	NA	
		Madhya Pradesh & Chattisgarh	100.00%	94.02%	99.21%	175	0.01%	100.00%	100.00%	96.00%	98.00%	0	0	70.54%	100.00%	99.97%	0.00%	73	71	NA	
		Maharashtra	100.00%	98.31%	99.49%	12	0.01%	100.00%	100.00%	92.00%	96.00%	0	NA	NA	95.13%	99.98%	0.00%	44	64	NA	
		Mumbai	100.00%	98.27%	99.73%	12	0.01%	100.00%	100.00%	92.00%	95.00%	0	0	66.83%	100.50%	99.98%	0.06%	26	64	NA	
		Punjab	100.00%	97.70%	99.89%	3	0.01%	100.00%	100.00%	95.00%	97.00%	0	0	49.20%	111.00%	100.00%	0.00%	41	84	NA	
		Rajasthan	100.00%	98.41%	99.38%	4	0.01%	100.00%	100.00%	93.00%	96.00%	0	NA	NA	106.00%	100.00%	0.00%	35	76	NA	
Tamilnadu	100.00%	93.40%	99.98%	6	0.02%	100.00%	100.00%	95.00%	97.00%	0	0	66.59%	102.54%	99.99%	0.00%	27	25	NA			
Uttar Pradesh - East	100.00%	96.54%	99.89%	5	0.00%	100.00%	100.00%	95.00%	97.00%	0	NA	NA	109.00%	99.99%	0.00%	33	76	NA			
Uttar Pradesh - West	100.00%	97.72%	99.94%	1	0.01%	100.00%	100.00%	94.00%	96.00%	0	NA	NA	106.00%	99.99%	0.00%	31	76	NA			
3	MTNL	Delhi & Mumbai	95.58%	88.18%	96.23%	20292	0.055%	100.00%	100.00%	88.87%	89.96%	0	0	84.60%	87.50%	99.40%	0.59%	42	303	NA	
4	Beam Telecom	Hyderabad	100.00%	85.51%	98.20%	1880	2.00%	100.00%	NA	72.00%	82.00%	0	0	73.00%	80.00%	99.00%	1.00%	50	300	NA	
5	You Broadband	All India	94.00%	92.00%	99.00%	410	1.00%	100.00%	100.00%	88.00%	91.00%	NA	0	70.52%	87.10%	99.10%	0.00%	9	280	NA	
		Maharashtra	96.00%	95.00%	100.00%	21	0.00%	100.00%	100.00%	88.00%	90.00%	NA	0	70.63%	86.74%	99.66%	0.00%	9	284	NA	
		Gujarat	90.00%	92.00%	99.00%	313	1.00%	100.00%	100.00%	86.00%	91.00%	NA	0	70.40%	87.69%	98.58%	0.00%	9	277	NA	
		Karnataka	99.00%	90.00%	98.00%	18	0.00%	100.00%	100.00%	92.00%	94.00%	NA	0	70.22%	86.81%	99.53%	0.00%	9	264	NA	
		Tamilnadu	98.00%	92.00%	99.00%	12	0.00%	100.00%	100.00%	87.00%	92.00%	NA	0	70.12%	86.37%	99.85%	0.00%	8	277	NA	
		Haryana	99.00%	90.00%	98.00%	18	0.00%	100.00%	100.00%	86.00%	91.00%	NA	0	71.03%	85.48%	99.47%	0.00%	8	282	NA	
		Andhra Pradesh	98.91%	92.00%	99.00%	28	0.00%	100.00%	100.00%	89.00%	92.00%	NA	0	70.72%	86.60%	99.77%	0.00%	9	287	NA	
6	Hathway Cable & Datacom Ltd.	Andhra Pradesh	100.00%	96.00%	100.00%	106	1.86%	100.00%	100.00%	96.00%	99.00%	0	0	88.00%	85.00%	99.40%	1.00%	75	320	NA	
		Delhi	100.00%	96.00%	99.00%	100	0.88%	100.00%	100.00%	71.00%	85.00%	0	NA	81.00%	85.00%	99.03%	1.00%	70	275	NA	
		Gujarat	100.00%	85.00%	96.00%	0	0.00%	NA	NA	79.00%	95.00%	0	0	86.00%	85.00%	99.00%	1.00%	100	270	NA	
		Karnataka	100.00%	98.00%	100.00%	27	1.85%	100.00%	100.00%	80.00%	86.00%	0	0	87.00%	85.00%	99.72%	1.00%	75	350	NA	
		Maharashtra	100.00%	97.00%	99.00%	1633	1.07%	100.00%	100.00%	88.00%	91.00%	0	0	87.00%	85.00%	99.00%	1.00%	50	280	NA	
		Punjab	100.00%	93.00%	99.00%	11	0.58%	100.00%	100.00%	99.00%	99.00%	NA	0	80.00%	85.00%	99.00%	1.00%	30	310	NA	
		Goa	100.00%	95.00%	100.00%	0	0.00%	NA	NA	83.00%	96.00%	0	0	88.00%	85.00%	99.00%	1.00%	50	250	NA	
		Uttar Pradesh	100.00%	96.00%	99.00%	0	0.67%	100.00%	100.00%	DNF	DNF	NA	NA	80.00%	85.00%	100.00%	1.00%	90	280	NA	
Chhatisgarh	100.00%	99.00%	100.00%	0	1.09%	100.00%	100.00%	99.00%	99.00%	0	0	75.00%	85.00%	99.00%	1.00%	15	315	NA			
7	Quadrant	Punjab	100.00%	94.37%	99.74%	0	0.01%	100.00%	100.00%	66.00%	81.33%	0	0	81.00%	100.00%	99.93%	0.00%	80	280	NA	
8	Asianet Satellite	Kerala	100.00%	90.76%	99.28%	NR	1.21%	100.00%	100.00%	NR	NR	0	0	63.91%	90.00%	99.37%	1.00%	50	270	NA	
9	Reliance Com (RCIL)	All India	100.00%	100.00%	100.00%	NA	0.16%	100.00%	100.00%	96.00%	98.00%	0	0	53.07%	91.00%	99.56%	0.55%	DNF	DNF	DNF	
10	Atria Convergence	All India	96.81%	74.00%	93.00%	2236	0.51%	100.00%	Nil	84.00%	94.00%	0	0	87.00%	95.00%	99.85%	1.00%	25	224	0	

Annexure 4.4 (Contd.)

11	Five Networks	All India	100.00%	99.50%	100.00%	NA	NR	100.00%	100.00%	NA	NA	NA	0	NA	90.00%	99.00%	1.00%	NA	NA	NA
12	Tata (TTML)	Maharashtra & Goa	100.00%	92.33%	100.00%	0	0.39%	100.00%	NA	92.00%	96.50%	0	0	78.00%	94.87%	99.73%	0.00%	30	193	NA
13	D-Vois Broadband	All India	100.00%	97.00%	100.00%	0	0.66%	100.00%	Nil	84.00%	96.00%	0	0	0.00%	90.00%	100.00%	0.10%	100	100	100
14	Ortel Communications	Orissa	100.00%	92.00%	99.00%	735	NA	NA	NA	100.00%	100.00%	0	0	77.65%	93.33%	99.53%	0.00%	63	146	NA
15	Broadband Pacenet India Pvt. Ltd.	Mumbai	100.00%	96.00%	99.00%	55	0.00%	NR	NA	87.00%	99.00%	0	0	83.00%	DNF	99.00%	1.70%	79	285	NA
		Mumbai-Pune	100.00%	92.00%	100.00%	22	0.00%	NR	NA	85.00%	91.00%	0	0	79.00%	DNF	99.00%	1.00%	50	280	NA
		All India	100.00%	92.00%	99.00%	34	0.00%	NA	NA	86.00%	92.00%	0	0	76.00%	DNF	99.00%	1.00%	75	310	NA
		Madhya Pradesh	100.00%	92.00%	100.00%	0	0.00%	100.00%	NA	82.00%	92.00%	0	0	59.00%	DNF	99.00%	1.00%	50	280	NA
		Gujarat	100.00%	91.00%	100.00%	21	1.00%	100.00%	NA	85.00%	84.00%	0	0	77.00%	DNF	99.00%	1.00%	50	280	NA
		Rajasthan	100.00%	91.00%	100.00%	0	1.00%	NA	NA	82.00%	84.00%	0	0	86.36%	DNF	99.00%	1.00%	50	280	NA
		Delhi	100.00%	93.00%	100.00%	0	0.00%	NA	NA	92.00%	92.00%	0	0	54.25%	DNF	98.00%	1.00%	50	280	NA
		Andhra Pradesh	100.00%	91.00%	99.00%	15	2.00%	100.00%	NA	84.00%	95.00%	0	0	85.00%	DNF	99.00%	1.00%	50	280	NA
16	Syscon Infoway Pvt. Ltd.	Maharashtra	100.00%	96.00%	100.00%	0	0.00%	100.00%	NA	NR	NR	0	0	83.33%	99.00%	100.00%	1.00%	10	250	NA
		Mumbai	100.00%	96.33%	100.00%	0	0.00%	100.00%	NA	NA	NA	0	0	74.00%	99.00%	100.00%	0.00%	1	47	80
17	Gujarat Telelink (GTPL)	Gujarat	100.00%	97.00%	99.00%	101	0.87%	100.00%	NA	97.00%	99.00%	NA	0	89.00%	92.00%	98.00%	0.00%	11	300	NA
18	Tata (TCL)	Andhra Pradesh	100.00%	96.00%	99.00%	227	0.01%	100.00%	100.00%	92.00%	95.00%	0	0	57.95%	80.00%	99.54%	0.00%	50	245	NA
		Assam	NA	NA	NA		NA	NA	NA							99.73%				
		Delhi & NCR	NA	97.00%	99.00%		0.11%	100.00%	NA							99.95%				
		Gujarat & Daman & Deu	100.00%	95.00%	99.00%		0.06%	100.00%	100.00%							98.99%				
		Haryana	NA	93.00%	100.00%		0.00%	100.00%	NA							99.77%				
		Himachal Pradesh	NA	100.00%	100.00%		NA	NA	NA							98.79%				
		Jammu & Kashmir	NA	NA	NA		NA	NA	NA							100.00%				
		Karnataka	NA	97.00%	98.00%		0.02%	100.00%	100.00%							99.71%				
		Kerala & Lakshadweep	100.00%	95.00%	99.00%		0.13%	100.00%	100.00%							98.72%				
		Madhya Pradesh & Chattisgarh	NA	95.00%	100.00%		0.00%	100.00%	NA							97.68%				
		Maharashtra & Goa	100.00%	96.00%	99.00%		0.07%	100.00%	100.00%							98.35%				
		Mumbai	100.00%	96.00%	99.00%		0.08%	100.00%	100.00%							99.33%				
		North Eastern	NA	NA	NA		NA	NA	NA							NA				
		Orissa	NA	NA	NA		0.00%	100.00%	NA							99.88%				
		Punjab	NA	96.00%	99.00%		0.00%	100.00%	NA							99.89%				
		Rajasthan	NA	94.00%	96.00%		0.53%	100.00%	NA							99.78%				
		Tamil Nadu & Pondicherry	100.00%	98.00%	100.00%		0.03%	100.00%	100.00%							99.21%				
		Uttar Pradesh - East	NA	98.00%	99.00%		0.00%	100.00%	NA							99.78%				
		Uttar Pradesh - West	NA	NA	NA		NA	NA	NA							99.82%				
		West Bengal	NA	NA	NA		0.00%	100.00%	NA							99.98%				
Kolkata	100.00%	96.00%	99.00%	NA	NA	100.00%	99.30%													
Bihar & Jharkhand	100.00%	83.00%	83.00%	0.00%	100.00%	NA	99.86%													
19	Citycom Networks	All India	100.00%	95.70%	99.60%	11	0.64%	100.00%	100.00%	86.00%	90.00%	0	0	60.00%	86.46%	99.70%	1.00%	4	175	NA
20	IndusInd Media	All India	100.00%	97.00%	99.00%	31	0.00%	100.00%	100.00%	100.00%	100.00%	0	0	77.79%	80.00%	98.00%	1.00%	45	260	NA
21	Tata (TTSL)	All India (Pan India)	100.00%	96.49%	100.00%	0	0.01%	100.00%	NA	82.42%	86.17%	0	0	88.16%	94.75%	99.37%	0.03%	52	126.33	NA
22	Honesty Net Solutions Pvt. Ltd.	Mumbai	100.00%	96.00%	99.00%	NA	0.00%	100.00%	NA	NA	NA	0	NA	68.00%	100.00%	97.00%	0.00%	9	270	NA
23	Noida Software (NSTPL)	All India	100.00%	100.00%	NA	0	NA	NA	NA	85.00%	100.00%	NA	NA	NA	98.00%	99.27%	1.00%	15	200	NA
24	Home Systems	Mumbai	99.00%	97.00%	99.99%	NA	0.00%	100.00%	NA	81.00%	92.00%	0	0	75.00%	95.00%	98.00%	0.01%	50	295	NA
25	Digital Network	Maharashtra & Goa	100.00%	91.01%	99.49%	0	0.51%	100.00%	Nil	62.84%	82.04%	0	0	80.00%	80.00%	99.72%	1.00%	4	255	NA
26	Siti Cable	All India	100.00%	92.00%	100.00%	17	0.00%	100.00%	100.00%	69.00%	100.00%	0	0	81.00%	95.00%	99.07%	0.30%	55	280	NA
27	Alliance Broadband	Kolkata	100.00%	95.00%	100.00%	0	0.08%	100.00%	NA	98.00%	99.00%	0	0	DNF	DNF	99.00%	1.00%	NA	NA	NA
28	Vasai Cable	Mumbai	100.00%	99.04%	99.72%	0	0.61%	100.00%	Nil	76.55%	90.73%	0	0	80.00%	80.00%	99.19%	1.00%	4	255	NA
29	Southern (SOBTL)	Andhra Pradesh	100.00%	99.00%	100.00%	0	0.00%	NA	NA	95.00%	100.00%	0	0	75.00%	90.00%	99.00%	1.00%	120	350	NA
30	Rajesh Multichannel	Mumbai	100.00%	97.00%	NR	0	0.00%	100.00%	Nil	92.00%	87.00%	0	0	86.00%	NR	98.00%	NR	NR	NR	NA
31	Smartlink Broadband	Mumbai	100.00%	94.43%	99.79%	135	NA	100.00%	100.00%	78.91%	93.93%	0	0	83.00%	98.00%	98.00%	NR	NR	NR	NA
NR= Data not reported by the Service Provider															NA = Not Applicable			C/DNF= Complied the parameter but Data is not in the required format		

Annexure 5.1: A -la-carte rates of pay channels for non-CAS areas, as reported to TRAI by the respective Broadcasters

S.No	Name of the channel	Reported Rates(in INR)
1	Zee TV	13.88
2	Zee Cinema	13.88
3	Cartoon Network	13.37
4	Zee Marathi	08.56
5	Zee News	08.02
6	CNN	01.60
7	Zee Café	08.56
8	Zee Studios	07.49
9	Zee Bangla	08.67
10	Zee Punjabi	01.60
11	Zee Trendz	01.07
12	HBO	16.69
13	POGO	13.37
14	Zee Business	05.14
15	Zee Classic	10.70
16	Zee Action	10.70
17	Zee Premier	11.98
18	Zee Telugu	11.13
19	Zee Kannada	07.98
20	ETC Punjabi	09.63
21	ETC	03.21
22	Zing	05.35
23	Zee Jagran	02.14
24	Zee Smile	06.57
25	24 Ghante	06.42
26	24 Taas	09.09
27	Zee Talkies	16.58
28	WB	06.60
29	Zee 24 Ghantalu	05.60
30	Zee Salaam	15.00
31	9X	20.50
32	Star Plus	18.73
33	Star Gold	17.66
34	Star Movies	17.66
35	Star World	04.87
36	Vijay TV	04.28
37	NGC	06.15
38	Fox Traveller channel	04.71
39	Channel V	01.07

Annexure 5.1 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
40	Life Ok	21.94
41	The MGM	06.42
42	Star Jalsha	12.00
43	ABP Ananda	06.00
44	FX	15.50
45	FOX CRIME	15.50
46	BABY TV	13.25
47	Nat Geo Wild	16.00
48	Nat Geo Adventure	16.00
49	Nat GEO Music	07.40
50	Asianet	12.45
51	Star Pravah	12.00
52	Star Movies Action	15.00
53	Movies OK	17.00
54	NDTV 24X7	09.10
55	NDTV Profit	06.42
56	NDTV Good Times	09.63
57	Suvarna	12.00
58	Asianet Plus	07.00
59	NDTV India	08.02
60	Zee Bangla Cinema	16.20
61	ABP Majha	09.20
62	SET(Sony Entertainment Television)	21.40
63	MAX	18.19
64	Discovery	16.05
65	Animal Planet	05.35
66	AXN	15.52
67	Animax	0.50
68	TLC	09.63
69	SAB TV	14.70
70	SET PIX	12.84
71	Aaj Tak	07.49
72	Headlines Today	03.21

Annexure 5.1 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
73	Tez	02.14
74	Channel 8 (Sony AATH)	10.00
75	Discovery Science	12.00
76	Discovery Turbo	10.00
77	Neo Sports	26.60
78	NEO Prime	35.45
79	Discovery Channel – Tamil	16.05
80	MIX	07.50
81	Discovery Kids	13.25
82	SIX	35.00
83	ET NOW	08.50
84	Times Now	09.10
85	Zoom	08.35
86	The Disney Channel	09.52
87	Disney XD	09.52
88	Hangama TV	08.35
89	IBN 7	07.49
90	IBN Lokmat	07.86
91	Colors	21.40
92	MTV	07.49
93	NICK	06.42
94	VH 1	03.21
95	CNBC TV 18	09.10
96	CNN-IBN	05.35
97	CNBC Awaaz	04.82
98	ETV	10.70
99	ETV 2	05.99
100	ETV Bangla	11.12
101	ETV Marathi	11.12
102	ETV Kannada	11.12
103	ETV Gujarathi	11.12
104	ETV Oriya	11.12
105	ETV UP	11.12
106	ETV Bihar	11.12
107	ETV Urdu	11.12
108	ETV Rajasthan	11.12
109	ETV MP	11.12
110	Bindass	10.00
111	UTV Action	10.00
112	World Movies	10.00

Annexure 5.1 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
113	UTV Movies	15.00
114	Disney Junior	13.37
115	Nick Jr / Teen Nick	13.37
116	Comedy Central	15.50
117	SONIC	13.00
118	SUN TV	13.26
119	Gemini TV	11.02
120	Udaya TV	12.30
121	K TV	16.06
122	Gemini Comedy	05.68
123	Udaya Movies	15.40
124	Sun Music	07.50
125	Gemini Music	07.50
126	Sun News	01.50
127	Gemini News	08.02
128	Udaya News	07.86
129	Gemini Movies	18.20
130	Chintu TV	13.37
131	Udaya Comedy	16.06
132	Kushi TV	13.37
133	Chutti TV	13.37
134	Udaya Music	07.49
135	Adithya TV	18.19
136	Surya TV	12.31
137	Kiran TV	18.19
138	Sun News English	08.00
139	Gemini Life	11.13
140	SUN TV RI	12.50
141	SUN Life	12.50
142	BBC World	05.35
143	Star Sports 4	35.45
144	Star Sports 1	35.45
145	Star Sports 3	29.96
146	Fox Sports News	09.10
147	Star Sports 2	36.00
148	Raj TV	11.77
149	Raj Digital Plus	08.26
150	Vissa TV	05.01
151	Raj Musix	05.00
152	Raj News (24X7)	04.00

Annexure 5.1 (contd.)

S.No	Name of the channel	Reported Rates(in INR)
153	9XM	07.00
154	9X Jhakaas	05.00
155	9XO	05.00
156	9X Jalwa	05.00
157	Sahara One	20.50
158	Filmy	16.50
159	B4U Movies	06.65
160	MAA TV	06.00
161	MAA Music	07.50
162	MAA Movies	18.50
163	MAA Gold	11.00
164	Dilli Aaj Tak	08.50
165	E-24	15.00
166	Toonami	13.37
167	Tarang	10.70
168	Tarang Music	05.00
169	Prarthana	05.00
170	Ten Sports	16.05
171	Ten Cricket	35.45
172	Ten Action	35.00
173	BIG CBS PRIME	14.00
174	BIG CBS LOVE	11.00
175	BIG CBS SPARK	11.00
176	BIG CBS Spark Punjabi	11.00
177	BIG MAGIC	11.00
178	Bloomberg UTV	08.50
179	9X Tashan	05.00
180	Sarthak TV	09.50
181	Jaya TV	09.00
182	Jaya Plus	04.00
183	Jaya Max	06.00
184	J Movies	06.00
185	Mega TV	05.00
186	Mega Musiq	05.00
187	Mega 24	05.00

Annexure 5.2: List of operational private FM Radio Stations in India

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
1	DELHI	CLEAR MEDIA	HIT-FM	01.09.2006
2	DELHI	DIGITAL RADIO	RED-FM	29.04.2003
3	DELHI	E.N.I.L.	RADIO- MIRCHI	29.04.2003
4	DELHI	H.T. MEDIA	FEVER 104	30.10.2006
5	DELHI	M.B.P.L.	RADIO-CITY	29.04.2003
6	DELHI	RADIO-ONE LTD.	RADIO-ONE [1]	23.09.2006
7	DELHI	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	28.05.2007
8	DELHI	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK	BIG-FM	24-09-2006
9	MUMBAI	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK	BIG-FM	14.11.2006
10	MUMBAI	DIGITAL RADIO	RED-FM	29.04.2002
11	MUMBAI	E.N.I.L.	RADIO- MIRCHI	29.04.2002
12	MUMBAI	H.T. MEDIA	FEVER 104	15.01.2007
13	MUMBAI	M.B.P.L.	RADIO-CITY	21.05.2002
14	MUMBAI	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	26.01.2008
15	MUMBAI	RADIO-ONE LTD.	RADIO-ONE [1]	29.04.2003
16	KOLKATA	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK	BIG-FM	21.10.2006
17	KOLKATA	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	04.10.2007
18	KOLKATA	ANANDA OFFSET	FRIEND 91.9	28.02.2007
19	KOLKATA	DIGITAL RADIO	RED-FM	03.05.2003
20	KOLKATA	E.N.I.L.	RADIO- MIRCHI	03.05.2003
21	KOLKATA	HITZ FM	POWER-FM	03.05.2003
22	KOLKATA	INDIA FM	AMAR-FM	03.05.2003
23	KOLKATA	RADIO-ONE LTD.	RADIO-ONE [1]	12.12.2008
24	KOLKATA	H.T. MEDIA	FEVER 104	23.01.2008
25	CHENNAI	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	27.09.2006
26	CHENNAI	E.N.I.L.	RADIO- MIRCHI	05.05.2003
27	CHENNAI	M.B.P.L.	RADIO-CITY	10.07.2006
28	CHENNAI	MALAR PUBLICATIONS	HELLO-FM	02.10.2006
29	CHENNAI	MUTHOOT BROADCASTING PVT. LTD.	CHENNAI LIVE	04.01.2008
30	CHENNAI	NOBLE BROADCASTING	AAHAA-FM	18.01.2007
31	CHENNAI	RADIO-ONE LTD.	RADIO-ONE [1]	10.01.2007
32	CHENNAI	SUN TV	SURYANA FM	05.05.2003

Annexure 5.2 (Contd.)

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALIS ATION
33	AGARTALA	POSITIVE RADIO	OOLALA FM	07.08.2007
34	AGRA	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	18.08.2007
35	AGRA	SHRI PURAN MULTIMEDIA	MANTRA FM	08.07.2007
36	AHMEDABAD	E.N.I.L.	RADIO- MIRCHI	10.12.2001
37	AHMEDABAD	M.B.P.L.	RADIO-CITY	25.07.2007
38	AHMEDABAD	RADIO-ONE LTD.	RADIO-ONE [1]	26.08.2007
39	AHMEDABAD	SOUTH ASIA	S. FM	20.04.2008
40	AHMEDABAD	D. B. CORP.	MY-FM	21.07.2007
41	AHMEDNAGAR	B.A.G. INFOTAINMENT	RADIO- DHAMAL	01.03.2008
42	AHMEDNAGAR	M.B.P.L.	RADIO-CITY	07.02.2008
43	AJMER	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	28-08-2007
44	AJMER	D. B. CORP.	MY-FM	31.08.2007
45	AKOLA	M.B.P.L.	RADIO-CITY	13.03.2008
46	ALIGARH	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	08.12.2006
47	ALLAHABAD	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	29.10.2007
48	ALLAHABAD	SOUTH ASIA	S. FM	18.03.2008
49	AMRITSAR	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	01.08.2007
50	AMRITSAR	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	15.05.2008
51	AMRITSAR	D. B. CORP.	MY-FM	27-07-2007
52	ASANSOL	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	29.06.2007
53	ASANSOL	SOUTH ASIA	S. FM	03.06.2008
54	AURANGABAD	E.N.I.L.	RADIO- MIRCHI	24.07.2007
55	AURANGABAD	SOUTH ASIA	S. FM	21.04.2008
56	BANGALURU	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	09.10.2006
57	BANGALURU	E.N.I.L.	RADIO- MIRCHI	17.04.2006
58	BANGALURU	H.T. MEDIA	FEVER 104	06.03.2007
59	BANGALURU	INDIA RADIO VENTURES	RADIO- INDIGO	01.10.2006
60	BANGALURU	KAL RADIO	S. FM	06.11.2006
61	BANGALURU	M.B.P.L.	RADIO-CITY	10.06.2001
62	BANGALURU	RADIO-ONE LTD.	RADIO-ONE [1]	01.08.2006
63	BAREILLY	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	30.03.2007
64	BAREILLY	SHRI PURAN MULTIMEDIA	MANTRA FM	09.04.2007
65	BHOPAL	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	20.05.2007

Annexure 5.2 (Contd.)

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
66	BHOPAL	E.N.I.L.	RADIO- MIRCHI	26.05.2007
67	BHOPAL	SOUTH ASIA	S. FM	06.11.2007
68	BHOPAL	D. B. CORP.	MY-FM	26.05.2007
69	BHUBANESHWAR	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	14.04.2007
70	BHUBANESHWAR	EASTERN MEDIA	CHOCOLATE	04.05.2007
71	BHUBANESHWAR	SOUTH ASIA	S. FM	28.06.2007
72	BIKANER	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	19.01.2007
73	BILASPUR	D. B. CORP.	MY-FM	27.09.2007
74	CHANDIGARH	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	12.02.2007
75	CHANDIGARH	D. B. CORP.	MY-FM	19.02.2007
76	COIMBATORE	E.N.I.L.	RADIO- MIRCHI	03.11.2007
77	COIMBATORE	M.B.P.L.	RADIO-CITY	12.11.2007
78	COIMBATORE	MALAR PUBLICATIONS	HELLO-FM	29.10.2007
79	COIMBATORE	SUN TV	SURYANA FM	07.03.2003
80	DHULE	B.A.G. INFOTAINMENT	RADIO-DHAMAL	15.08.2007
81	GANGTOK	CHINAR CIRCUITS	NINE-91.9 FM	10.08.2008
82	GANGTOK	PCM CEMENTS	MISTY FM	31.01.2009
83	GANGTOK	SOUTH ASIA	S.FM	
84	GORAKHPUR	SHRI PURAN MULTIMEDIA	MANTRA FM	03.06.2007
85	GULBERGA	KAL RADIO	S. FM	02.06.2008
86	GUWAHATI	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	14.04.2007
87	GUWAHATI	PURVY BROADCASTING	GUP-SHUP	09.10.2007
88	GUWAHATI	SOUTH ASIA	S. FM	11.04.2008
89	GWALIOR	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	06.08.2007
90	GWALIOR	GWALIOR FARMS	CHASKA	04.08.2007
91	GWALIOR	ITM SOFTWARE	SUNO LEMON	07.09.2007
92	GWALIOR	D. B. CORP.	MY-FM	06.08.2007
93	HISSAR	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	02.03.2007
94	HISSAR	B.A.G. INFOTAINMENT	RADIO-DHAMAL	18.06.2007
95	HISSAR	SHRI PURAN MULTIMEDIA	MANTRA FM	21.03.2007
96	HYDERABAD	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	25.09.2006
97	HYDERABAD	E.N.I.L.	RADIO- MIRCHI	19.04.2006

Annexure 5.2 (Contd.)

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
98	HYDERABAD	KAL RADIO	S. FM	06.11.2006
99	HYDERABAD	M.B.P.L.	RADIO-CITY	30.05.2006
100	INDORE	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	03.08.2007
101	INDORE	E.N.I.L.	RADIO- MIRCHI	01.10.2001
102	INDORE	SOUTH ASIA	S. FM	09.12.2007
103	INDORE	D. B. CORP.	MY-FM	11.08.2007
104	ITANAGAR	POSITIVE RADIO	OOLALA FM	05.08.2008
105	JABALPUR	B.A.G. INFOTAINMENT	RADIO-DHAMAL	01.03.2008
106	JABALPUR	E.N.I.L.	RADIO- MIRCHI	15.02.2008
107	JABALPUR	SOUTH ASIA	S. FM	19.03.2008
108	JABALPUR	D. B. CORP.	MY-FM	15.02.2008
109	JAIPUR	E.N.I.L.	RADIO- MIRCHI	17.04.2006
110	JAIPUR	M.B.P.L.	RADIO-CITY	08.09.2006
111	JAIPUR	RAJASTHAN PATRIKA	RADIO- TADKA	15.08.2006
112	JAIPUR	SOUTH ASIA	S. FM	06.11.2006
113	JAIPUR	D. B. CORP.	MY-FM	28.05.2006
114	JALANDHAR	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	14.04.2007
115	JALANDHAR	E.N.I.L.	RADIO- MIRCHI	24.04.2007
116	JALANDHAR	SHRI PURAN MULTIMEDIA	MANTRA FM	14.04.2007
117	JALANDHAR	D. B. CORP.	MY-FM	19.04.2007
118	JALGOAN	B.A.G. INFOTAINMENT	RADIO-DHAMAL	22.04.2008
119	JALGOAN	M.B.P.L.	RADIO-CITY	21.05.2008
120	JAMMU	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	07.12.2006
121	JAMSHED PUR	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	07.11.2007
122	JAMSHED PUR	SOUTH ASIA	S. FM	13.04.2008
123	JAMSHED PUR	NEUTRAL PUBLICATION	DHOOM FM	18.07.2008
124	JHANSI	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	19.01.2007
125	JODHPUR	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	14.12.2007
126	JODHPUR	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	01.06.2008
127	JODHPUR	D. B. CORP.	MY-FM	20.12.2007
128	KANNUR	ASIANET RADIO PVT. LTD.	BEST FM	13.01.2008
129	KANNUR	KAL RADIO	S. FM	12.03.2008*
130	KANNUR	MALAYALLA MANORAMA	MANGO FM	30.12.2007
131	KANNUR	THE MATHRABHUMI	CLUB-FM	30.12.2007

Annexure 5.2 (Contd.)

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
132	KANPUR	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	14.06.2007
133	KANPUR	E.N.I.L.	RADIO- MIRCHI	16.06.2007
134	KANPUR	SOUTH ASIA	S. FM	28.01.2008
135	KARNAL	B.A.G. INFOTAINMENT	RADIO-DHAMAL	18.06.2007
136	KARNAL	SHRI PURAN MULTIMEDIA	MANTRA FM	02.04.2007
137	KOCHI	KAL RADIO	S. FM	17.05.2008*
138	KOCHI	MALAYALLA MANORAMA	MANGO FM	18.05.2008
139	KOCHI	THE MATHRABHUMI	CLUB-FM	17.05.2008
140	KOLHAPUR	E.N.I.L.	RADIO- MIRCHI	18.09.2007
141	KOLHAPUR	PUDHARI PUBLICATION	TOMOTO FM	21.09.2007
142	KOTA	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	21.01.2008
143	KOTA	RAJASTHAN PATRIKA	RADIO- TADKA	25.02.2008
144	KOTA	D. B. CORP.	MY-FM	02.02.2008
145	KOZHIKKODE	KAL RADIO	S. FM	07.12.2007
146	KOZHIKKODE	MALAYALLA MANORAMA	MANGO FM	29.11.2007
147	LUCKNOW	E.N.I.L.	RADIO- MIRCHI	13.08.2007
148	LUCKNOW	M.B.P.L.	RADIO-CITY	10.12.2001
149	LUCKNOW	SOUTH ASIA	S. FM	06.11.2007
150	MADURAI	E.N.I.L.	RADIO- MIRCHI	28-09.2007
151	MADURAI	KAL RADIO	S. FM	05.10.2007
152	MADURAI	MALAR PUBLICATIONS	HELLO-FM	01.10.2007
153	MANGALORE	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	24.11.2007
154	MANGALORE	E.N.I.L.	RADIO- MIRCHI	24.11.2007
155	MANGALORE	KAL RADIO	S. FM	21.02.2008
156	MUZAFFARPUR	B.A.G. INFOTAINMENT	RADIO-DHAMAL	01.08.2007
157	MYSORE	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	14.10.2007
158	MYSORE	KAL RADIO	S. FM	07.12.2007
159	NAGPUR	E.N.I.L.	RADIO- MIRCHI	18.10.2007
160	NAGPUR	M.B.P.L.	RADIO-CITY	21.10.2007
161	NAGPUR	SOUTH ASIA	S. FM	04.05.2008
162	NAGPUR	D. B. CORP.	MY-FM	21.10.2007
163	NANDED	M.B.P.L.	RADIO-CITY	15.05.2008
164	NASIK	E.N.I.L.	RADIO- MIRCHI	06.07.2007
165	NASIK	SOUTH ASIA	S. FM	16.04.2008
166	PANAJI	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	22.05.2007
167	PANAJI	E.N.I.L.	RADIO- MIRCHI	22.05.2007

Annexure 5.2 (Contd.)

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
168	PANAJI	INDIA RADIO VENTURES	RADIO INDIGO	25.06.2007
169	PATIALA	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	01.08.2007
170	PATIALA	B.A.G. INFOTAINMENT	RADIO-DHAMAL	18.06.2007
171	PATIALA	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	01.06.2008
172	PATNA	E.N.I.L.	RADIO- MIRCHI	02.04.2007
173	PUDUCHERRY (UT)	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	01.12.2007
174	PUDUCHERRY (UT)	KAL RADIO	S. FM	20.12.2007
175	PUDUCHERRY (UT)	MALAR PUBLICATIONS	HELLO-FM	22.12.2007
176	PUNE	E.N.I.L.	RADIO- MIRCHI	18.10.2002
177	PUNE	M.B.P.L.	RADIO-CITY	06.04.2008
178	PUNE	RADIO-ONE LTD.	RADIO-ONE [1]	12.05.2008
179	PUNE	SOUTH ASIA	S. FM	22.07.2008
180	RAIPUR	E.N.I.L.	RADIO- MIRCHI	11.01.2008
181	RAIPUR	RAJASTHAN PATRIKA	RADIO- TADKA	10.02.2009
182	RAIPUR	RANEKA FINCOM	RANGILA 104.8	15.01.2008
183	RAIPUR	D. B. CORP.	MY-FM	16.01.2008
184	RAJAHMUNDRY	KAL RADIO	S. FM	19.01.2008
185	RAJKOT	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	13.06.2007
186	RAJKOT	E.N.I.L.	RADIO- MIRCHI	13.06.2007
187	RAJKOT	SOUTH ASIA	S. FM	18.04.2008
188	RANCHI	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	24.10.2007
189	RANCHI	B.A.G. INFOTAINMENT	RADIO-DHAMAL	15.11.2007
190	RANCHI	SHRI PURAN MULTIMEDIA	MANTRA FM	27.10.2007
191	RANCHI	NEUTRAL PUBLICATION	DHOOM FM	18.07.2008
192	ROURKELA	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	06.01.2008
193	ROURKELA	EASTERN MEDIA	RADIO-CHOCOLATE	22.01.2008
194	SANGLI	M.B.P.L.	RADIO-CITY	08.02.2008
195	SANGLI	PUDHARI PUBLICATION	TOMOTO FM	21.09.2009
196	SHILLONG	SOUTH ASIA	S. FM	13.06.2008
197	SHIMLA	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	25.06.2009
198	SHIMLA	T.V. TODAY BROADCASTING LTD	RADIO- MEOW	01.10.2009

Annexure 5.2 (Contd.)

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
199	SHIMLA	B.A.G. INFOTAINMENT	RADIO-DHAMAL	30.11.2009
200	SHOLAPUR	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	08.11.2007
201	SHOLAPUR	M.B.P.L.	RADIO-CITY	14.11.2007
202	SILIGURI	PCM CEMENTS	MISTY FM	14.11.2007
203	SILIGURI	SYNTECH INFORMATICS	HIGH FM	24.11.2007
204	SILIGURI	SOUTH ASIA	S. FM	25.10.2008
205	SRI-NAGAR	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	10.12.2006
206	SURAT	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	29.08.2007
207	SURAT	E.N.I.L.	RADIO- MIRCHI	21.08.2007
208	SURAT	D. B. CORP.	MY-FM	27.08.2007
209	SURAT	M.B.P.L.	RADIO-CITY	22.08.2007
210	THIRUVANANTH A- PURAM	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	29.01.2008
211	THIRUVANANTH A- PURAM	E.N.I.L.	RADIO- MIRCHI	29.01.2008
212	THIRUVANANTH A- PURAM	KAL RADIO	S. FM	06.02.2008
213	THIRUVANANTH A- PURAM	THE MATHRABHUMI	CLUB-FM	29.01.2008
214	THRISSUR	ASIANET RADIO PVT. LTD.	BEST FM	23.12.2007
215	THRISSUR	KAL RADIO	S. FM	26.12.2007
216	THRISSUR	MALAYALLA MANORAMA	MANGO FM	14.12.2007
217	THRISSUR	THE MATHRABHUMI	CLUB-FM	14.12.2007
218	TIRUCHI	KAL RADIO	S. FM	17.01.2008
219	TIRUCHI	MALAR PUBLICATIONS	HELLO-FM	14.01.2008
220	TIRUNELVELI	MALAR PUBLICATIONS	HELLO-FM	13.10.2007
221	TIRUNELVELI	SUN TV	SURYANA FM	07.03.2003
222	TIRUPATI	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	01.08.2007
223	TIRUPATI	KAL RADIO	S. FM	27.08.2007
224	TUTICORIN	KAL RADIO	S. FM	05.10.2007
225	TUTICORIN	MALAR PUBLICATIONS	HELLO-FM	15.10.2007
226	UDAIPUR	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	03.08.2007
227	UDAIPUR	RAJASTHAN PATRIKA	RADIO- TADKA	27.08.2007
228	UDAIPUR	D. B. CORP.	MY-FM	07.07.2007
229	VADODARA	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	05.06.2007
230	VADODARA	E.N.I.L.	RADIO- MIRCHI	05.06.2007

Annexure 5.2 (Contd.)

S.NO.	CITY	NAME OF THE COMPANY	CHANNEL IDENTITY	DATE OF OPERATIONALISATION
231	VADODARA	M.B.P.L.	RADIO-CITY	11.06.2007
232	VADODARA	SOUTH ASIA	S. FM	17.04.2008
233	VARANASI	E.N.I.L.	RADIO- MIRCHI	14.07.2007
234	VARANASI	SHRI PURAN MULTIMEDIA	MANTRA FM	20.07.2007
235	VARANASI	SOUTH ASIA	S. FM	29.12.2007
236	VIJAYWADA	E.N.I.L.	RADIO- MIRCHI	11.12.2007
237	VIJAYWADA	KAL RADIO	S. FM	25.12.2007
238	VISHAKAPATNAM	RELIANCE COMMUNICATIONS GROUP BROADCAST NETWORK LTD.	BIG-FM	27.10.2007
239	VISHAKAPATNAM	E.N.I.L.	RADIO- MIRCHI	26.10.2007
240	VISHAKAPATNAM	M.B.P.L.	RADIO-CITY	29.10.2007
241	VISHAKAPATNAM	UDAYA TV	VISAKHA FM	06.02.2003
242	WARANGAL	KAL RADIO	S. FM	28.05.2008

Source: Ministry of Information & Broadcasting

Annexure 5.3: List of applicants who have been granted DTH License

- 1. M/s. Tata Sky Ltd.,**
3rd Floor,
Bombay Dyeing A.O. Building,
Pandurang Budhkar Marg,
Worli, Mumbai - 400 025
Tel: 022-6613 3000
Fax-022-6613 3030/6616 3013

- 2. M/s Dish TV India Ltd.**
FC-9, Sector-16A, Film City,
Noida-201301
Tel: 91-120-2511064-78
Fax: 91-120-2511186

- 3. SUN Direct TV(P) Ltd.**
Murasoli Maran Towers,
73, MRC Nagar,
Main Road, MRC Nagar,
Chennai - 28
PH: 044-44676767

- 4. Bharti Telemedia Ltd.**
Airtel centre, Plot No 16,
Udyog Vihar Phase IV,
Gurgaon - 122015
Ph: 0124-4222222

- 5. Reliance Communications Group Big TV Pvt. Ltd.**
3rd Floor, B-Wing,
Reliance Communications Group Centre,
Maharaja Ranjit Singh Marg,
New Delhi - 110 002
Ph: 011-30332832

- 6. M/s Bharat Business Channel Ltd.**
Uplink Centre, Plot No 1D,
Udyog Vihar, Industrial Area,
Greater NOIDA,
Distt-Gautam Budh Nagar (UP) - 201 306
PH: 0120-6141000

Annexure 5.4: List of permitted teleports at various locations in India

[As on 20/03/2013]

Sr. No	Name of Teleport	Address	Location	Date of Permission
1	TV TODAY NETWORK LIMITED	TV TODAY NETWORK LIMITED FC-8, SECTOR-16A, NOIDA(UP)	NEW DELHI	22-Nov-00
2	SUN TV LTD.	R S NO. 4288/72, 73 & 116, BLOCK NO. 94, MRC NAGAR CHENNAI-600018	CHENNAI	12-Mar-01
3	ENTERTAINMENT TELEVISION NETWORK PVT. LTD	7B, SHAH INDUSTRIAL ESTATE, OFF VEERA DESAI ROAD, ANDHERI W , MUMBAI-400053	MUMBAI	23-May-01
4	USHODAYA ENTERPRISES LTD.	6-3-570, EENADU COMPLEX, SOMAJIGUDA, HYDERABAD- 500082	HYDERABAD	23-May-01
5	ESSEL SHYAM COMMUNICATION LIMITED	C-34, SECTOR-62, ELECTRONIC CITY, NOIDA-201307	NOIDA	3-Sep-01
6	ASIANET INFRASTRUCTURE PVT. LTD.	ASIANET STUDIO/COMPLEX, PULIYARAKONAM P.O. THIRUVANANTHAPURAM KERALA	THIRUVANANTHAPURAM	17-Oct-01
7	ESSEL SHYAM COMMUNICATION LTD	C-34, ELECTRONIC CITY, SECTOR-62, NOIDA-201307	NOIDA-2	7-Feb-02
8	SAHARA SANCHAR LIMITED	SAHARA INDIA COMPLEX, C-2, C-3, SECTOR-XI NOIDA-201301	NOIDA	12-Feb-02
9	TELEVISION EIGHTEEN INDIA LIMITED	VIDEOCON TOWER, E-1 RANI JHANSI ROAD, JHANDEWALAN EXTN., NEW DELHI-110055	NEW DELHI	18-Mar-02
10	NEW DELHI TELEVISION LTD. (NDTV)	ARCHANA COMPLEX, GREATER KAILASH-I, NEW DELHI-110048	NEW DELHI	11-Jun-02
11	INDIAVISION COMMUNICATIONS LTD.	SATELLITE TATU'S TOWER, 32/1787, PADIVATTOM, NH BY-PASS ROAD, KOCHI (KERALA) 682024	KOCHI -KERALA	7-Nov-02
12	NOIDA SOFTWARE TECHNOLOGY PARK LTD.	B-23-25, POCKET-C, SURAJPUR INDUSTRIAL AREA, GREATER NOIDA(U.P)	GREATER NOIDA	27-Jan-03
13	DISH TV INDIA LIMITED (Formerly known ASC Enterprises Ltd.)	FC-19, SECTOR-16A, NOIDA- 201301 (U.P.)	NOIDA	2-Apr-03
14	POSITIVE TELEVISION PVT. LTD.	7 C, DOCTORS LANE, GOL MARKET, NEW DELHI-110001	GUWAHATI	9-Jun-03
15	CHANNEL GUIDE INDIA LTD.	BOKADIA MANSION, 3RD FLOOR,229, PRINCESS STREET, MUMBAI	MUMBAI	15-Sep-03
16	INDIASIGN PVT. LTD.	A-49, SECTOR-18, ELECTRONICS CITY, HARTRON COMPLEX, GURGAON(HARYANA)	GURGAON	18-Nov-03
17	ASSOCIATED BROADCASTING PVT. LTD.	CO.NO.97, ROAD NO.3, BANJARA HILLS, HYDERABAD- 500034	HYDERABAD	24-Nov-03
18	AV ENTERTAINMENT PVT. LTD.	240, ZONE-I, M.P.NAGER, BHOPAL(M.P)	BHOPAL	15-Dec-03

Annexure 5.4 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
19	TELEVISION EIGHTEEN INDIA LIMITED	EMPIRE COMPLEX, 414, SENAPATI BAPAT MARG, LOWER PAREL, MUMBAI-400013	MUMBAI	19-Mar-04
20	AMRITA ENTERPRISES PVT. LTD.	TCNO.15/1069, AMRITA, GANDHI NAGER, VAZHUTHANCADU, THIRUVANANTHAPURAM-695014	THIRUVANANTHAPURAM	20-Apr-04
21	MAVIS SATCOM LIMITED	NO.48 NP, JAWAHARLAL NEHRU ROAD, EKKATUTHANGAL, CHENNAI-600092	CHENNAI	22-Apr-04
22	TATA COMMUNICATIONS LTD.VSNL	VSNL, TECHNICAL COMPLEX, SDF BUILDING, SALT LAKE, KOLKATTA-700091	KOLKATTA	14-May-04
23	TATA COMMUNICATIONS LTD. VSNL	VSNL, VSB, KAKKANAD, THIRKKAKARA, ERNAKULAM, COACHIN-682030	COCHIN	14-May-04
24	TATA COMMUNICATIONS LTD., VSNL,	THIRUVELLUVAR SATELLITE VSNL EARTH STATION, REDHILLS ROAD, AMBATTUR, CHENNAI-600053	CHENNAI	14-May-04
25	TATA COMMUNICATIONS LTD., VSNL	VSNL, VSB, BANGLA SAHAB ROAD, NEW DELHI-110001	NEW DELHI	14-May-04
26	TATA COMMUNICATIONS LTD., VSNL	VSNL,VSB, FORT, MG ROAD, MUMBAI-400001	MUMBAI	14-May-04
27	LAMHAS SATELLITE LTD.	SERVICES 161, TOWER-I, INTERNATIONAL INFOTECH PARK, VASHI, NAVI MUMBAI	MUMBAI	10-Aug-04
28	MALAYALAM COMMUNICATIONS LTD.	MALAYALAM COMMUNICATIONS LTD. CHANDRAGIRI 61, VIKRAMPURAM HILLS,KOWDIAR P.O., THIRUVANANTHAPURAM-695003	THIRUVANANTHAPURAM	22-Dec-04
29	SANSKAR INFO TV PVT. LTD.	B-10, MELKAY BUILDING, OPP. MAROL TELEPHONE EXCHANGE, CENTRAL ROAD, MIDC, ANDHERI E, MUMBAI-400093	MUMBAI	23-Feb-05
30	BENNETT COLEMAN AND CO. LTD.	BENNETT, COLEMAN & CO. LTD., THE TIMES OF INDIA BUILDING, DR. D.N ROAD, MUMBAI-400001	MUMBAI	2-May-05
31	SENIOR MEDIA LTD.	SENIOR MEDIA LTD NO.3, SIRI FORT ROAD, NEW DELHI-49	NEW DELHI	5-May-05
32	LOK PRAKASHAN LTD.	LOK PRAKASHAN LTD. 57 CHOWRINGHEE ROAD, HORIZON, 3RD FLOOR, KOLKATA-700071	AHMEDABAD	6-May-05
33	CALCUTTATELEVISION NETWORK PVT. LTD.	CALCUTTA TELEVISION NETWORK PVT. LTD. 89 M.B.ROAD BIRATI, KOLKATA-70051	KOLKATA	22-Aug-05
34	KOHINOOR CORPORATION LTD.	BROADCASTING KOHINOOR BROADCASTING CORPORATION LTD. TAGORE COMPLEX, MODEL TOWN, PATIALA-147001, PUNJAB	RAJPURA - PUNJAB	9-Sep-05

Annexure 5.4 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
35	TELEVISION EIGHTEEN INDIA LIMITED	VIDEOCON TOWER, E-1 RANI JHANSI ROAD, JHANDEWALAN EXTN., NEW DELHI-110055	NOIDA	14-Sep-05
36	KAMYAB TV PVT. LTD. (Formerly known as MD TV Pvt. Ltd.)	KAMYAB TV PVT. LTD. 168, EKAMRA MARG, UNIT-6 BHUBANESHWER-751001	BHUBANESHWER	30-Sep-05
37	KASTURI MEDIA PVT. LTD.	KASTHURI MEDIAS PVT. LTD. NO.286, 3RD MAIN ROAD, J.P. NAGER, BANGLORE-560078	BANGALORE	10-Nov-05
38	SST MEDIA PVT. LTD.	57 J.L NEHRU ROAD HORIZON, 3RD FLOOR, KOLKATA-700071	KOLKATA	30-Nov-05
39	ESSEL SHYAM COMMUNICATION LTD.	ROYAL PALAMS, SURVEY NO. 169, NEAR UNIT 26, AAREY MILK COLONY GOREGAON EAST, MUMBAI- 400065	MUMBAI	2-Dec-05
40	MM TV LTD.	MM TV LTD. POST BOX NO. 106, KANDATHIL VARGHESE MAPPILLAI MEMORIAL SOCIETY BUILDING K.K.ROAD, KOTTAYAM-686001, KERALA	ALAPUZZA	2-Mar-06
41	IN CABLENET ANDHRA LTD.	IN CABLENET ANDHRA LTD. 98, OM PLAZA, DOMALGUDA, HYDERABAD-500029	HYDERABAD	9-Mar-06
42	INDRA TELEVISION LTD.	INDRA TELEVISION LTD. MEGA CITY NO. 338, ROAD NO.3, ARORA COLONY BANJARA HILLS HYDERABAD-500034	HYDERABAD	7-Jun-06
43	SUN TV LTD.	R S NO. 4288/72,73 & 116, BLOCK NO. 94, MRC NAGAR CHENNAI-600018	CHENNAI	14-Jul-06
44	MEDIA CONTENT AND COMMUNICATION INDIA PRIVATE LIMITED	DLF CNTRE, 7TH FLOOR, 4 SNANSAD SERVICESMARG, NEW DELHI-110001	NOIDA	20-Sep-06
45	TATA SKY LIMITED	TATA SKY LTD. 3RD FLOOR,C-1, WADIA INTERNATIONAL CENTRE BOMBAY DYEING, PANDURANG BUDHAR MARG, WORLI, MUMBAI-400025	NEW DELHI	20-Sep-06
46	SATISH SUGERS LTD.	VAISHNAVI BHAVANA, 89/1, 1ST A MAIN ROAD, INDUSTRIAL SUBRUB, 2ND STAGE, YESHWANTHPUR, BANGLORE-560022	BANGALORE	26-Sep-06
47	SHITAL FIBRES LTD.	SHITAL FIBRES LTD. A-17, FOCAL POINT EXTENSION, P.O.BOX NO. 407 AND 449, JALLANDHAR-144004	JALANDHAR	29-Sep-06
48	MH ONE TV NETWORK LTD.	MH ONE TV NETWORK LTD. 2,SSI INDUSTRIAL AREA, GT KARNAL ROAD, DELHI-33	DELHI	23-Nov-06
49	STV ENTERPRISES LTD.	268 MASJID KOTH, NEAR UDAI PARK MARKET, NEW DELHI-110049	NEW DELHI	11-Jan-07
50	AIRR X MEDIA LTD.	502 ASHWIN ATHWA LINES SURAT GUJARAT	SURAT	13-Mar-07

Annexure 5.4 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
51	BROADCAST EQUIPMENTS INDIA PVT. LTD.	370-371/2, FIRST FLOOR, HOSPITAL ROAD, JANGPURA, NEW DELHI-110014	NEW DELHI	21-May-07
52	WINNING COMMUNICATIONS LTD.	EDGEWINNING EDGE COMMUNICATIONS LTD. 301, SWARNA JAYANTHI COMPLEX, AMEERPET, HYDERABAD-500038	HYDERABAD	25-May-07
53	INDIASIGN PVT. LTD.	GL-34/1 SALLAKE ELECTRONIC COMPLEX SECTOR-5, KOLKATA WEST BANGAL	KOLKATA	15-Jun-07
54	INDIASIGN PVT. LTD.		CHENNAI	15-Jun-07
55	RACHANA TELEVISION PVT. LTD.	PLOT NO. 564-A-19-III, ROAD NO.92, JUBILEE HILLS, HYDERABAD-500033	HYDERABAD	15-Jun-07
56	ORTEL COMMUNICATIONS LTD.	ORTEL COMMUNICATIONS LTD. B-7/122 A, SAFDARJUNG ENCLAVE, NEW DELHI-110029	BHUBANESHWER	25-Jun-07
57	SOWBHAGYA EXPORTS LTD.	SOWBHAGYA EXPORTS LTD. 77/14 SKD NAGER, SRINAGER COLONY HYDERABAD-500073 ANDHRA PRADESH	HYDERABAD	4-Jul-07
58	ESSEL SHYAM COMMUNICATION LTD.	C-138, NARAINA INDUSTRIAL AREA-I, AROOR NEW DELHI-28	KERALA	5-Jul-07
59	PRAGYA VISION PVT. LTD.	FC-13, SECTOR 16A, FILM CITY, NOIDA-201301	NOIDA	5-Sep-07
60	BRAHMAPUTRA TELE-PRODUCTIONS PVT. LTD.	13 TH MILE TAMULIKUCHI BYRNIHAT RI -BHOI MEGHALAYA	GUWAHATI	25-Sep-07
61	G. NEXT MEDIA PVT. LTD.	78, OKHALA INDUSTRIAL ESTATE PHASE-III, NEW DELHI-110020	NEW DELHI	5-Oct-07
62	INDIASIGN PVT. LTD.	1343, ROAD NO. 67, JUBILEE HILL, HYDERABAD	HYDERABAD	14-Mar-08
63	TATA COMMUNICATIONS LIMITED	THIRUVALLUR SATELLITE EARTH STATION, 226, RED HILLS ROAD, AMBATTUR, CHENNAI-600053	CHENNAI-2	6-May-08
64	POSITIVE TELEVISION PVT. LTD.	POSSITIVE TELEVISION PVT. LTD. DOCTOR'S LANE, GOL MARKET, NEW DELHI-110001	7C,NOIDA	23-May-08
65	EASTERN MEDIA LTD.	A/62,NAYAPALLI, BHUBANESWAR-751003, ORISSA	BHUBANESHWER	2-Jul-08
66	RAJASTHAN PATRIKA PRIVATE LIMITED	KESARGARH, JLN MARG, JAIPUR-302004	JAIPUR	5-Aug-08
67	PRIDE EAST ENTERTAINMENT PVT. LIMITED	NEWS LIVE, 558, G.S.ROAD, CHRISTIAN BARTI, DISPUR, GUWAHATI-78	GUWAHATI	13-Aug-08
68	INDIASIGN PVT. LTD.	1343, ROAD NO. 67, JUBILEE HILL, HYDERABAD	HYDERABAD (Location Shifted from Noida)	17-Sep-08
69	VINTAGE STUDIO PVT. LTD.	23/24, EAST PATEL NAGAR, NEW DELHI-110008	NEW DELHI	5-Jan-09
70	SKYLINE TELE MEDIA SERVICES PVT. LTD.	C-4,SHIVALIK, NEAR MALVIYA NAGAR MARKET, NEW DELHI-110017	NOIDA	27-May-09
71	INFORMATION TV PVT. LTD.	275, CAPTAIN GAUR MARG, SRINIVASPURI, NEW DELHI-110065	NEW DELHI	3-Jun-09

Annexure 5.4 (Contd.)

Sr.No	Name of Teleport	Address	Location	Date of Permission
72	UNILAZER EXPORTS AND MANAGEMENT CONSULTANTS LIMITED	PARIJAT HOUSE, 1076, DR. E.MOSES ROAD, WORLI, NAKA, MUMBAI-400018	MUMBAI	26-Jun-09
73	COMSAT SYSTEM PVT. LTD.	PLOT NO.22/A, IDA, MALLAPUR, HYDERABAD-50076	HYDERABAD	14-Oct-09
74	BHARTI TELEPORTS LIMITED	THE GRAND HOTEL, VASANT KUNJ, PHASE-II, NELSON MANDELA ROAD, NEW DELHI-110070	Noida	11-Nov-09
75	SRI VENKATESWARA CHANNEL PVT. LTD.	BHAKTITHIRUNILAYAM, HIMAYATH NAGAR, HYDERABAD	TIRUPATI	11-Nov-09
76	TATA COMMUNICATIONS LIMITED	THIRUVALLUVAR SATELLITE EARTH STATION, 226, RED HILLS ROAD, AMBATTUR, CHENNAI-600053	CHENNAI -3	13-Jan-10
77	ROYS INSTITUTE OF COMPETITIVE EXAMINATION PVT LTD	11/1 B.T ROAD BELGHORIA KOLKATA-700056 24 PARGANAS NORTH WEST BENGAL	KOLKATA	1-Apr-10
78	INDEPENDENT NEWS SERVICES PVT. LTD.	PLOT NO. 17B & 17C, SECTOR 16A, FILM CITY NOIDA(UP)	NOIDA -2	28-Apr-10
79	RAJ TELEVISION NETWORK LTD.	32, POES ROAD, 2ND STREET, TEYNAMPET, CHENNAI-600018	CHENNAI	5-May-10
80	ESSEL SHYAMCOMMUNICATION LTD.	C-138, NARAINA INDUSTRIAL AREA-I, NEW DELHI-28	NOIDA -3	12-May-10
81	KANSANNEWS PRIVATE LIMITED	HOUSE NO. 18, SECTOR-18, CHANDIGARH	CHANDIGARH	13-May-10
82	TATA COMMUNICATIONS LTD. VSNL	TATA COMMUNICATIONS LTD. VIDESH SANCHAR BHAWAN MAHATMA GANDHI ROAD, MUMBAI-400001	CHENNAI -4	4-Jun-10
83	DISH TV INDIA LTD.	PLOT NO.18, SECTOR-16A, NOIDA-201301	NOIDA	6-Apr-11
84	AASTHA BROADCASTING NETWORK LIMITED	AATHA BHAWAN, A-105, SECTOR-5, NOIDA-201301	NOIDA	2-May-11
85	MAHUA MEDIA PRIVATE LIMITED	FC 17A & 17B, SECTOR 16A, FILM CITY, NOIDA-201301	NOIDA	25-May-11
86	RTR Broadcast Pvt. Ltd.	D-38, RDC, Raj Nagar, Ghaziabad	Ghaziabad	7-Sep-11
87	Silver Star Communication Ltd.	NO. 24, VI MAIN ROAD, KASTURIBA NAGAR, ADYAR, CHENNAI-600020 INDIA	CHENNAI	2-Nov-11
88	Lamha Satellite Services Ltd	TOWER-I, 6TH FLOOR, INTERNATIONAL INFOTECH PARK, ABOVE VASI RAILWAY STATION, VASI, NAVI MUMBAI-400703.	MUMBAI	13-Feb-12
89	Skyline Tele Media Services Ltd.	FC-23, SECTOR-16A, FILM CITY, NOIDA-201305	NOIDA-2	02-Jul-12
90	Bharti Teleports Limited	Plot No 192, Block B, Phase II, NOIDA - 201 305	NOIDA-2	29-Oct-12

Source: Ministry of Information & Broadcasting

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